

# SAFETY DATA SHEET

## 1. Identification of the substance/mixture and of the company

### 1.1 Product identifier

**Product Name:**  
**Polywater® J Lubricant**

**Product ID numbers:** J-XXX (Where XXX is the package code.)

### 1.2 Relevant identified uses of the mixture and uses advised against

**Identified uses:** Cable and duct lubrication.

**List of advices against:** Not applicable.

### 1.3 Details of the supplier of the safety data sheet

#### Supplier/Manufacturer:

**American Polywater Corporation**  
11222 - 60th Street North  
P.O. Box 53  
Stillwater, MN 55082 USA  
Tel: 1-651-430-2270  
Email: custserv@polywater.com

**Polywater Europe BV**  
Mauritsplaat 126  
NL-3012CD Rotterdam  
Netherlands  
Tel: +31 10 233 0578  
Email: custserv@polywater.com

### 1.4 Emergency telephone numbers

USA  
+1-651-430-2270

Europe  
+31 10 233 0578

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

**Classification according to OSHA 29 CFR 1910.1200.**

This product contains no reportable hazardous components according to US Federal regulations.

**Classification according to Regulation (EC) No 1272/2008**

This product is not classified as dangerous according to EC criteria.

### 2.2 Label elements

**Pictograms:** None required.

**Hazard Statements:** None required.

**2.3 Other hazards:** No information available.

## 3. Composition/Information on Ingredients

This product contains no reportable hazardous components under OSHA 29 CFR 1910.1200 and European Regulation (EC) No 1272/2008.

## 4. First Aid Measures

### 4.1 Description of first aid measures

**Eye Contact:** Flush eyes with a large quantity of water for 15 minutes. If irritation continues, seek medical attention.

**Skin Contact:** If skin becomes irritated, wash area thoroughly with soap and water. If irritation continues, seek medical attention.

**Inhalation (Breathing):** No first aid expected to be required. Not an inhalation hazard.

**Ingestion (Swallowing):** No first aid expected to be required. If difficulties arise, contact a physician.

**4.2 Most important symptoms and effects, both acute and delayed**

Aside from information above, no additional symptoms and effects are anticipated.

**4.3 Indication of immediate medical attention and special treatment needed.**

No information available.

**5. Firefighting Measures**

**5.1 Extinguishing media:**

Does not apply.

**5.2 Special hazards arising from the substance or mixture**

**Hazardous decomposition and by-products:**

High temperature steam, potentially carbon monoxide and carbon dioxide.

**5.3 Advice for firefighters**

Sealed container can build up pressure when exposed to high heat. Cool containers with water.

**6. Accidental Release Measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

Lubricant is extremely slippery. It should be washed, swept, or squeegeed from floor using wet mops.

**6.2 Environmental precautions:**

Outside, spills should be covered with sand, dirt, gravel or calcium chloride.

**6.3 Methods materials for containment and cleaning up:**

Oxidizing agents, such as household bleach, can be used to eliminate the slippery character.

**6.4 Reference to other sections:**

Refer to Sections 4, 5, 8, and 13 for more information.

**7. Handling and Storage**

**7.1 Precautions for safe handling**

Avoid spills and clean them up immediately when they occur. Product is very slippery. For industrial or professional use only.

**7.2 Conditions for safe storage, including incompatibilities**

Keep product containers closed when not in use.

**7.3 Specific end uses**

See technical data sheet on this product for further information.

**8. Exposure Controls / Personal Protection**

**8.1 Control parameters**

**Exposure limits and recommendations:**

None

**8.2 Exposure controls**

**Respiratory protection:**

Normal ventilation is adequate.

**Protective gloves:**

For repeated or prolonged skin contact, the use of impermeable gloves is recommended to prevent drying and possible irritation.

**Eye protection:**

Safety glasses recommended.

**9. Physical and Chemical****9.1 Information of basic physical and chemical properties**

<b>Appearance:</b>	An opaque, cream-colored, stringy gel with a faint characteristic odor.
<b>Odor threshold:</b>	Not Available
<b>pH:</b>	7.5 to 9.0
<b>Freezing point:</b>	~ 32°F (0°C)
<b>Boiling point:</b>	~ 212°F (100°C)
<b>Flash point:</b>	None
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas):</b>	Product is not flammable
<b>Upper/lower flammability or explosive limits:</b>	Does not apply
<b>Vapor pressure:</b>	18mm Hg @ 72°F (22°C)
<b>Vapor density (Air = 1):</b>	0.9 – 1.1
<b>Specific gravity (H<sub>2</sub>O = 1):</b>	1.0
<b>Solubility in water:</b>	Dilutes
<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Does not apply
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	25,000 – 40,000 cps. @ 10 rpm.

**9.2 Other Information**

<b>Volatiles (Weight %):</b>	>95%
<b>VOC Content:</b>	10 g/l

**10. Stability and Reactivity****10.1 Reactivity:**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability:**

Stable

**10.3 Possibility of hazardous reactions:**

None known.

**10.4 Conditions to avoid:**

None known.

**10.5 Incompatible materials :**

Avoid materials that react with water.

**10.6 Hazardous decomposition products:**

Carbon dioxide, carbon monoxide.

**11. Toxicological Information****11.1 Information on toxicological effects:****Acute toxicity****Eye contact:**

Direct eye contact may cause eye irritation. This irritation is minimal and expected to be transient.

**Skin contact:**

This product has low skin irritation potential. There is no dermal toxicity hazard.

**Irritation and Sensitization Potential:**

This product has low skin irritation potential. It is not a sensitizer.

**Inhalation (Breathing):**

No inhalation hazard expected with water vapor.

**Ingestion:**

Very low ingestion hazard.

Based on ingredients, LD<sub>50</sub> (rat) is estimated to be well over 50 g/kg.

**Aspiration hazard**

Not an aspiration hazard.

**Chronic Exposure:**

**Reproductive Toxicity:** Not Available

**Mutagenicity:** Not Available

**Teratogenicity:** Not Available

**Toxicologically Synergistic Products:** Not Available

**Carcinogenic Status:** This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA, nor have any of its components.

**12. Ecological Information**

- 12.1 Ecotoxicity: No information available.
- 12.2 Persistence and degradability: No information available.
- 12.3 Bioaccumulation potential: No information available.
- 12.4 Mobility in soil: No information available.
- 12.5 Results of PBT and vPvB Assessment: This product is not, nor does it contain a substance that is a PBT or vPvB.
- 12.6 Other adverse effects: None known.

**13. Disposal Considerations**

Dispose of product in accordance with National and Local Regulations.

**14. Transport Information**

- UN Number: Not Listed
- UN Proper shipping name: Not Applicable
- Transport hazard class(es): Not Applicable
- Packing group: Not Applicable
- Environmental hazards: None known
- Special precautions: None known
- TDG: Not Regulated
- ICAO/IATA-DGR: Not Regulated
- IMDG: Not Regulated
- ADR/RID: Not Regulated

**15. Regulatory Information**

**USA Federal and State**

All components are listed on the TSCA inventory.

**Product Name:** Polywater® J Lubricant

**Revision Date:** April 25, 2013

**Hazard Categories for SARA  
Section 311/312 Reporting**

Acute  
No

Chronic  
No

Fire  
No

Pressure  
No

Reactive  
No

Components

**CERCLA/SARA Sec 302**

Hazardous Substance RQ

EHS TPQ

**SARA Sec. 313**

Toxic Release

Components are not affected by these Superfund regulations.

**NFPA Ratings:**  
Health: 0  
Fire: 0  
Reactivity: 0

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel during spill, fire or similar emergencies. Hazard ratings are based on physical and toxic properties of combustion or decomposition.

### European Union

All components are listed on the European Inventory of Existing Chemical Substances (EINECS). Product complies with the communication requirements of REACH Regulation (EC) No. 1907/2006. It does not contain Substances of Very High Concern (SVHC).

### Canada

All components are listed on the DSL inventory. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**WHMIS Classification:** NC

### Australia

All components are listed on the AICS. Not considered hazardous according to criteria of NOHSC Australia.

**Contact Information:**  
ADAPT Australia Pty. Ltd.  
11 - 19 Global Drive  
Tullamarine Victoria 3043  
Telephone Number. 03 9330 0666

Emergency Telephone Number: 0421 277 889

## 16. Other Information

**Revision Date:** April 25, 2013  
**Revision Number:** 3  
**Supersedes:** January 27, 2012  
**Indication of Changes:** Updated in accordance with the provisions of OSHA 1910.1200 App D and REACH Annex II (EU No 453/2010). (GHS format)

The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.

# SAFETY DATA SHEET

## 1. Identification of the substance/mixture and of the company

### 1.1 Product identifier

**Product Name:**  
**Greenlee Cable Pulling Lubricant  
Cream CRM**

**Product ID numbers:** 50352075, 50352091, 50352083

### 1.2 Relevant identified uses of the mixture and uses advised against

**Identified uses:** Cable and duct lubrication.

**List of advices against:** Not applicable.

### 1.3 Details of the supplier of the safety data sheet

#### Supplier/Manufacturer:

**Greenlee Textron**  
4455 Boeing DR,  
Rockford, IL 61109 USA  
Tel: 1-800-435-0786  
CustomerService@greenlee.textron.com

### 1.4 Emergency telephone numbers

Chem Tel Inc.  
1-(813) 248-0573

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

#### Classification according to OSHA 29 CFR 1910.1200.

This product contains no reportable hazardous components according to US Federal regulations.

#### Classification according to Regulation (EC) No 1272/2008

This product is not classified as dangerous according to EC criteria.

### 2.2 Label elements

**Pictograms:** None required.

**Hazard Statements:** None required.

### 2.3 Other hazards:

No information available.

## 3. Composition/Information on Ingredients

This product contains no reportable hazardous components under OSHA 29 CFR 1910.1200 and European Regulation (EC) No 1272/2008.

## 4. First Aid Measures

### 4.1 Description of first aid measures

**Eye Contact:** Flush eyes with a large quantity of water for 15 minutes. If irritation continues, seek medical attention.

**Skin Contact:** If skin becomes irritated, wash area thoroughly with soap and water. If irritation continues, seek medical attention.

**Inhalation (Breathing):** No first aid expected to be required. Not an inhalation hazard.

**Ingestion (Swallowing):** No first aid expected to be required. If difficulties arise, contact a physician.

**4.2 Most important symptoms and effects, both acute and delayed**

Aside from information above, no additional symptoms and effects are anticipated.

**4.3 Indication of immediate medical attention and special treatment needed.**

No information available.

**5. Firefighting Measures**

**5.1 Extinguishing media:**

Does not apply.

**5.2 Special hazards arising from the substance or mixture**

**Hazardous decomposition and by-products:**

High temperature steam, potentially carbon monoxide and carbon dioxide.

**5.3 Advice for firefighters**

Sealed container can build up pressure when exposed to high heat. Cool containers with water.

**6. Accidental Release Measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

Lubricant is extremely slippery. It should be washed, swept, or squeegeed from floor using wet mops.

**6.2 Environmental precautions:**

Outside, spills should be covered with sand, dirt, gravel or calcium chloride.

**6.3 Methods materials for containment and cleaning up:**

Oxidizing agents, such as household bleach, can be used to eliminate the slippery character.

**6.4 Reference to other sections:**

Refer to Sections 4, 5, 8, and 13 for more information.

**7. Handling and Storage**

**7.1 Precautions for safe handling**

Avoid spills and clean them up immediately when they occur. Product is very slippery. For industrial or professional use only.

**7.2 Conditions for safe storage, including incompatibilities**

Keep product containers closed when not in use.

**7.3 Specific end uses**

See technical data sheet on this product for further information.

**8. Exposure Controls / Personal Protection**

**8.1 Control parameters**

**Exposure limits and recommendations:**

None

**8.2 Exposure controls**

**Respiratory protection:**

Normal ventilation is adequate.

**Protective gloves:**

For repeated or prolonged skin contact, the use of impermeable gloves is recommended to prevent drying and possible irritation.

**Eye protection:**

Safety glasses recommended.

## 9. Physical and Chemical

### 9.1 Information of basic physical and chemical properties

<b>Appearance:</b>	Light yellow, viscous gel with no odor.
<b>Odor threshold:</b>	Not Available
<b>pH:</b>	6.5 to 8.0
<b>Freezing point:</b>	~ 32°F (0°C)
<b>Boiling point:</b>	~ 212°F (100°C)
<b>Flash point:</b>	None
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas):</b>	Product is not flammable
<b>Upper/lower flammability or explosive limits:</b>	Does not apply
<b>Vapor pressure:</b>	18mm Hg @ 72°F (22°C)
<b>Vapor density (Air = 1):</b>	0.9 – 1.1
<b>Specific gravity (H<sub>2</sub>O = 1):</b>	1.0
<b>Solubility in water:</b>	Dilutes
<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Does not apply
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	66,000 – 94,000 cps. @ 10 rpm.

### 9.2 Other Information

<b>Volatiles (Weight %):</b>	95%
<b>VOC Content:</b>	0 g/l

## 10. Stability and Reactivity

### 10.1 Reactivity:

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability:

Stable

### 10.3 Possibility of hazardous reactions:

None known.

### 10.4 Conditions to avoid:

None known.

### 10.5 Incompatible materials :

Avoid materials that react with water.

### 10.6 Hazardous decomposition products:

Carbon dioxide, carbon monoxide.

## 11. Toxicological Information

### 11.1 Information on toxicological effects:

#### Acute toxicity

##### Eye contact:

Direct eye contact may cause eye irritation. This irritation is minimal and expected to be transient.



**Skin contact:**

This product has low skin irritation potential. There is no dermal toxicity hazard.

**Irritation and Sensitization Potential:**

This product has low skin irritation potential. It is not a sensitizer.

**Inhalation (Breathing):**

No inhalation hazard expected with water vapor.

**Ingestion:**

Very low ingestion hazard.

Based on ingredients, LD<sub>50</sub> (rat) is estimated to be well over 50 g/kg.

**Aspiration hazard**

Not an aspiration hazard.

**Chronic Exposure:**

**Reproductive Toxicity:** Not Available

**Mutagenicity:** Not Available

**Teratogenicity:** Not Available

**Toxicologically Synergistic Products:** Not Available

**Carcinogenic Status:** This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA, nor have any of its components.

**12. Ecological Information**

**12.1 Ecotoxicity:** No information available.

**12.2 Persistence and degradability:** No information available.

**12.3 Bioaccumulation potential:** No information available

**12.4 Mobility in soil:** No information available.

**12.5 Results of PBT and vPvB Assessment:** This product is not, nor does it contain a substance that is a PBT or vPvB.

**12.6 Other adverse effects:** None known.

**13. Disposal Considerations**

Dispose of product in accordance with National and Local Regulations.

**14. Transport Information**

- UN Number:** Not Listed
- UN Proper shipping name:** Not Applicable
- Transport hazard class(es):** Not Applicable
- Packing group:** Not Applicable
- Environmental hazards:** None known
- Special precautions:** None known
- TDG:** Not Regulated
- ICAO/IATA-DGR:** Not Regulated
- IMDG:** Not Regulated
- ADR/RID:** Not Regulated

**15. Regulatory Information**

**USA Federal and State**

All components are listed on the TSCA inventory.

<b>Hazard Categories for SARA Section 311/312 Reporting</b>	<u>Acute</u> No	<u>Chronic</u> No	<u>Fire</u> No	<u>Pressure</u> No	<u>Reactive</u> No
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<b><u>Components</u></b>	<b><u>CERCLA/SARA Sec 302 Hazardous Substance RQ</u></b>	<b><u>EHS TPQ</u></b>	<b><u>SARA Sec. 313 Toxic Release</u></b>
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Components are not affected by these Superfund regulations.

<b>NFPA Ratings:</b>	Health:	0
	Fire:	0
	Reactivity:	0

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel during spill, fire or similar emergencies. Hazard ratings are based on physical and toxic properties of combustion or decomposition.

**European Union**

All components are listed on the European Inventory of Existing Chemical Substances (EINECS). Product complies with the communication requirements of REACH Regulation (EC) No. 1907/2006. It does not contain Substances of Very High Concern (SVHC).

**Canada**

All components are listed on the DSL inventory. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**WHMIS Classification:** NC

**Australia**

All components are listed on the AICS. Not considered hazardous according to criteria of NOHSC Australia.

**16. Other Information**

<b>Revision Date:</b>	March 1, 2017
<b>Revision Number:</b>	5
<b>Supersedes:</b>	December 17, 2012
<b>Indication of Changes:</b>	Updated in accordance with the provisions of OSHA 1910.1200 App D and REACH Annex II (EU No 453/2010). (GHS format)

The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.

# SAFETY DATA SHEET

## 1. Identification of the substance/mixture and of the company

### 1.1 Product identifier

**Product Name: Greenlee Gel  
Cable Lubricant GEL**

**Product ID numbers:** 50352113, 50352121, 50352130, 50352148

### 1.2 Relevant identified uses of the mixture and uses advised against

**Identified uses:** Cable and duct lubrication.

**List of advices against:** Not applicable.

### 1.3 Details of the supplier of the safety data sheet

#### Supplier/Manufacturer:

**Greenlee Textron**  
4455 Boeing Dr,  
Rockford, IL 61109 USA  
Tel: 1-800-435-0786  
Email: CustomerService@greenlee.textron.com

### 1.4 Emergency telephone numbers

Chem Tel Inc.  
1-(813) 248-0573

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

**Classification according to OSHA 29 CFR 1910.1200.**

This product contains no reportable hazardous components according to US Federal regulations.

**Classification according to Regulation (EC) No 1272/2008**

This product is not classified as dangerous according to EC criteria.

### 2.2 Label elements

**Pictograms:** None required.

**Hazard Statements:** None required.

**2.3 Other hazards:** No information available.

## 3. Composition/Information on Ingredients

This product contains no reportable hazardous components under OSHA 29 CFR 1910.1200 and European Regulation (EC) No 1272/2008.

## 4. First Aid Measures

### 4.1 Description of first aid measures

**Eye Contact:** Flush eyes with a large quantity of water for 15 minutes. If irritation continues, seek medical attention.

**Skin Contact:** If skin becomes irritated, wash area thoroughly with soap and water. If irritation continues, seek medical attention.

**Inhalation (Breathing):** No first aid expected to be required. Not an inhalation hazard.

**Ingestion (Swallowing):** No first aid expected to be required. If difficulties arise, contact a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

Aside from information above, no additional symptoms and effects are anticipated.

**4.3 Indication of immediate medical attention and special treatment needed.**

No information available.

**5. Firefighting Measures**

**5.1 Extinguishing media:**

Does not apply.

**5.2 Special hazards arising from the substance or mixture**

**Hazardous decomposition and by-products:**

High temperature steam, potentially carbon monoxide and carbon dioxide.

**5.3 Advice for firefighters**

Sealed container can build up pressure when exposed to high heat. Cool containers with water.

**6. Accidental Release Measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

Lubricant is extremely slippery. It should be washed, swept, or squeegeed from floor using wet mops.

**6.2 Environmental precautions:**

Outside, spills should be covered with sand, dirt, gravel or calcium chloride.

**6.3 Methods materials for containment and cleaning up:**

Oxidizing agents, such as household bleach, can be used to eliminate the slippery character.

**6.4 Reference to other sections:**

Refer to Sections 4, 5, 8, and 13 for more information.

**7. Handling and Storage**

**7.1 Precautions for safe handling**

Avoid spills and clean them up immediately when they occur. Product is very slippery. For industrial or professional use only.

**7.2 Conditions for safe storage, including incompatibilities**

Keep product containers closed when not in use.

**7.3 Specific end uses**

See technical data sheet on this product for further information.

**8. Exposure Controls / Personal Protection**

**8.1 Control parameters**

**Exposure limits and recommendations:**

None

**8.2 Exposure controls**

**Respiratory protection:**

Normal ventilation is adequate.

**Protective gloves:**

For repeated or prolonged skin contact, the use of impermeable gloves is recommended to prevent drying and possible irritation.

**Eye protection:**

Safety glasses recommended.

**9. Physical and Chemical**

**9.1 Information of basic physical and chemical properties**

<b>Appearance:</b>	Green-blue, thick gel.
<b>Odor threshold:</b>	Not Available
<b>pH:</b>	6.5 to 8.5
<b>Freezing point:</b>	~ 32°F (0°C)
<b>Boiling point:</b>	~ 212°F (100°C)
<b>Flash point:</b>	None
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas):</b>	Product is not flammable
<b>Upper/lower flammability or explosive limits:</b>	Does not apply
<b>Vapor pressure:</b>	18mm Hg @ 72°F (22°C)
<b>Vapor density (Air = 1):</b>	0.9 – 1.1
<b>Specific gravity (H<sub>2</sub>O = 1):</b>	1.0
<b>Solubility in water:</b>	Dilutes
<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Does not apply
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	35,000 – 50,000 cps. @ 10 rpm.

**9.2 Other Information**

<b>Volatiles (Weight %):</b>	97%
<b>VOC Content:</b>	0 g/l

**10. Stability and Reactivity**

**10.1 Reactivity:**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability:**

Stable

**10.3 Possibility of hazardous reactions:**

None known.

**10.4 Conditions to avoid:**

None known.

**10.5 Incompatible materials :**

Avoid materials that react with water.

**10.6 Hazardous decomposition products:**

Carbon dioxide, carbon monoxide.

**11. Toxicological Information**

**11.1 Information on toxicological effects:**

**Acute toxicity**

**Eye contact:**

Direct eye contact may cause eye irritation. This irritation is minimal and expected to be transient.

**Skin contact:**

This product has low skin irritation potential. There is no dermal toxicity hazard.

**Irritation and Sensitization Potential:**

This product has low skin irritation potential. It is not a sensitizer.

**Inhalation (Breathing):**

No inhalation hazard expected with water vapor.

**Ingestion:**

Very low ingestion hazard.

Based on ingredients, LD<sub>50</sub> (rat) is estimated to be well over 50 g/kg.

**Aspiration hazard**

Not an aspiration hazard.

**Chronic Exposure:**

**Reproductive Toxicity:** Not Available

**Mutagenicity:** Not Available

**Teratogenicity:** Not Available

**Toxicologically Synergistic Products:** Not Available

**Carcinogenic Status:** This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA, nor have any of its components.

**12. Ecological Information**

**12.1 Ecotoxicity:** No information available.

**12.2 Persistence and degradability:** No information available.

**12.3 Bioaccumulation potential:** No information available

**12.4 Mobility in soil:** No information available.

**12.5 Results of PBT and vPvB Assessment:** This product is not, nor does it contain a substance that is a PBT or vPvB.

**12.6 Other adverse effects:** None known.

**13. Disposal Considerations**

Dispose of product in accordance with National and Local Regulations.

**14. Transport Information**

**UN Number:** Not Listed  
**UN Proper shipping name:** Not Applicable  
**Transport hazard class(es):** Not Applicable  
**Packing group:** Not Applicable  
**Environmental hazards:** None known  
**Special precautions:** None known  
**TDG:** Not Regulated  
**ICAO/IATA-DGR:** Not Regulated  
**IMDG:** Not Regulated  
**ADR/RID:** Not Regulated

**15. Regulatory Information**

**USA Federal and State**

All components are listed on the TSCA inventory.

**Hazard Categories for SARA Section 311/312 Reporting**      Acute      Chronic      Fire      Pressure      Reactive  
No      No      No      No      No

	<b>CERCLA/SARA Sec 302</b>		<b>SARA Sec. 313</b>
<b><u>Components</u></b>	<b><u>Hazardous Substance RQ</u></b>	<b><u>EHS TPQ</u></b>	<b><u>Toxic Release</u></b>

Components are not affected by these Superfund regulations.

**NFPA Ratings:**

Health:	0
Fire:	0
Reactivity:	0

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel during spill, fire or similar emergencies. Hazard ratings are based on physical and toxic properties of combustion or decomposition.

**European Union**

All components are listed on the European Inventory of Existing Chemical Substances (EINECS). Product complies with the communication requirements of REACH Regulation (EC) No. 1907/2006. It does not contain Substances of Very High Concern (SVHC).

**Canada**

All components are listed on the DSL inventory. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**WHMIS Classification:** NC

**Australia**

All components are listed on the AICS. Not considered hazardous according to criteria of NOHSC Australia.

**16. Other Information**

<b>Revision Date:</b>	March 1, 2017
<b>Revision Number:</b>	<b>4</b>
<b>Supersedes:</b>	December 17, 2012
<b>Indication of Changes:</b>	Updated in accordance with the provisions of OSHA 1910.1200 App D and REACH Annex II (EU No 453/2010). (GHS format)

The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.



Revision date: Initial version  
Date of issue: 06.07.2015

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<b>Trade name:</b>	<b>Aqua-Gel® CW Wire Pulling Lubricant</b>
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**SECTION 1: Identification**

**Product identifier:** Aqua-Gel® CW Wire Pulling Lubricant.  
**Synonyms:** None available.  
**Product Code Number:** 31-298, 31-291, 31-295.  
**SDS number:** ID003  
**Recommended use:** Wire Pulling Lubricant.  
**Recommended restrictions:** None known.

**Manufacturer/Importer/Supplier/Distributor information:**

**Company Name:** IDEAL INDUSTRIES, INC.  
**Company Address:** Becker Place,  
Sycamore, IL 60178  
**Company Telephone:** Office hours (Mon – Fri)  
7AM - 5 PM (CDT)  
(815)895-5181  
**Company Contact Name:** Darryl Docter.  
**Company Contact Email:** IDEAL@IDEALINDUSTRIES.COM  
**Emergency phone number:** 24 HOUR EMERGENCY NUMBER:  
(815)895-5181.

**SECTION 2: Hazard(s) identification**

**Classification of the chemical in accordance with paragraph (d) of §1910.1200:**

*Physical hazards*

Not classified as a physical hazard under GHS criteria

*Health hazards*

Not classified as a health hazard under GHS criteria

*Environmental hazards*

Not classified as a physical hazard under GHS criteria.

**GHS Signal word:** Not applicable.

**GHS Hazard statement(s):** Not applicable.

**GHS Hazard symbol(s):** Not applicable.

**GHS Precautionary statement(s):**  
**Prevention:**



No prevention precautionary statements required.

**Response:**

No response precautionary statements required

**Storage:**

No storage precautionary statements required.

**Disposal:**

No disposal precautionary statements required.

**Hazard(s) not otherwise**

**Classified (HNOC):** None known.

**Percentage of ingredient(s) of unknown acute toxicity:**

Not applicable.

**SECTION 3: Composition/information on ingredients**

**Mixture:**

Chemical name	CAS#	Concentration (weight %)
Potassium Hydroxide (20% solution)	1310-58-3	< 2%

Note: The balance of the ingredients are not classified as hazardous or below the threshold concentration, under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

**SECTION 4: First-aid Measures**

**Description of necessary measures:**

**Inhalation:** If inhaled, move to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms persist.

**Skin contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and thoroughly clean before reuse. Get medical attention if symptoms persist.

**Eye contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms persist.

**Ingestion:** If swallowed, administer water or milk. Do NOT induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Consult physician or local poison control center.

**Most important symptoms/effects, acute and delayed:** None expected.

**Indication of immediate medical attention and special treatment needed:** If any symptoms are observed, contact a physician and give them this SDS sheet. If exposed or concerned: Get medical advice/attention.

### **SECTION 5: Fire-fighting measures**

**Suitable extinguishing media:** Not flammable. Use extinguishing media suitable for surrounding materials.

**Unsuitable extinguishing media:** No data available.

**Specific hazards arising from the chemical:** Extreme temperatures of combustion or burning and contact with nitrites could result in the formation of nitrosamines which are potential carcinogens.

Combustion products - Carbon monoxide, Carbon dioxide. Oxides of Nitrogen.

**Special protective equipment and precautions for fire-fighters:** For fire involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of combustion products and oxygen deficiencies.

### **SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Stay upwind and away from spill/release. For large spillages, notify persons downwind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

**Methods and material for containment and cleaning up:**

Persons not wearing protective equipment should be excluded from area of spill until cleanup has been completed. Stop spill at source, wipe up, shovel or vacuum spilled material. Clean up spills immediately as they can be dangerously slippery. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required.

### **SECTION 7: Handling and Storage**

**Precautions for safe handling:** Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8).

**Conditions for safe storage, including any incompatibles:** Store at temperatures between -40 and 180°F. Keep away from children, infants and pets. Keep container(s) tightly closed and properly labeled. Store only in approved containers. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage.

"Empty" containers retain residue and may be dangerous. "Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

**SECTION 8: Exposure controls/personal protection**

**Control Parameters:**

**Occupational exposure limits:**

<b>US OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): Permissible Exposure Limits</b>		
<b>Substance</b>	<b>PEL-TWA (8 hour)</b>	<b>PEL-STEL (15 min)</b>
Potassium Hydroxide	No data available	No data available

<b>US ACGIH Threshold Limit Values</b>		
<b>Substance</b>	<b>TLV-TWA (8 hour)</b>	<b>TLV-STEL (15 min)</b>
Potassium Hydroxide	2 mg/m <sup>3</sup> Ceiling	No data available

<b>NIOSH Exposure Limits</b>		
<b>Substance</b>	<b>TWA</b>	<b>STEL</b>
Potassium Hydroxide	2 mg/m <sup>3</sup> Ceiling	No data available

**Appropriate engineering controls:** General (mechanical) room ventilation is expected to be adequate. Special local ventilation is suggested at points where vapors can be expected to escape to the workplace air or in enclosed areas.

**Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** None normally required, but the use of OSHA compliant safety glasses or splash goggles recommended.

**Skin and Hand protection:** None normally needed -Neoprene if necessary. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Respiratory protection:** None normally required.

**Other:** Eye wash / eye bath in the work area is recommended but not necessary.

**Thermal hazards:** No data available.

**SECTION 9: Physical and chemical properties**

<b>Appearance</b>	
<b>Physical state:</b>	Gel
<b>Form:</b>	Clear gel.
<b>Color:</b>	Red.
<b>Odor:</b>	Mild odor.
<b>Odor threshold:</b>	No data available
<b>pH:</b>	6.5 – 8.0
<b>Melting point/freezing point:</b>	No data available
<b>Initial boiling point and boiling range:</b>	100°C (212°F)
<b>Flash point:</b>	None
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	Not applicable
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%):</b>	No data available
<b>Flammability limit – upper (%):</b>	No data available
<b>Explosive limit – lower (%):</b>	No data available
<b>Explosive limit – upper (%):</b>	No data available
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative Density:</b>	1.09-1.11
<b>Solubility(ies):</b>	Infinite.
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	10000-15000 cps
<b>Other information:</b>	
<b>% Volatile by volume:</b>	< 45%
<b>Percent solids by weight:</b>	~ 60%

#### **SECTION 10: Stability and Reactivity**

<b>Reactivity:</b>	Not chemically reactive.
<b>Chemical stability:</b>	Stable under normal ambient and anticipated conditions of use.
<b>Possibility of hazardous reactions:</b>	Hazardous reactions not anticipated.
<b>Conditions to avoid:</b>	Avoid prolonged storage at temperatures exceeding 180°F. Extreme temperatures of combustion or burning and contact with nitrites could result in the formation of nitrosamines which are potential carcinogens.
<b>Incompatible materials:</b>	Avoid contact with strong oxidizers and nitrates.
<b>Hazardous decomposition Products:</b>	Oxides of carbon and nitrogen.

#### **SECTION 11: Toxicological information**

**Information on likely routes of exposure:**

**Inhalation:** Not an expected route of entry.  
**Ingestion:** Not an expected route of entry.  
**Skin:** Not an expected route of entry.  
**Eyes:** Not an expected route of entry.

**Symptoms related to the physical, chemical, and toxicological characteristics:**

None expected.

**Delayed and immediate effects and chronic effects from short or long-term exposure:**

Detailed below.

**Numerical measures of toxicity:**

**Ingredient Information:**

Substance	Test Type (species)	Value
Potassium hydroxide	LD <sub>50</sub> Oral (Rat)	273 mg/kg
	LD <sub>50</sub> Dermal (Rabbit)	No data available
	LC <sub>50</sub> Inhalation (Rat)	No data available

**Product Acute Toxicity Estimates:**

Acute Oral Toxicity – no data available  
Acute Dermal Toxicity - no data available  
Acute Inhalation Toxicity - no data available

**Skin corrosion/irritation:** Not expected to cause skin corrosion or irritation.

**Serious eye damage/eye irritation:** Not expected to cause eye damage / irritation.

**Respiratory sensitization:** No information available on the mixture, however none of the components have been classified as a respiratory sensitizer (or are below the concentration threshold for classification).

**Skin sensitization:** No information available on the mixture, however none of the components have been classified as a skin sensitizer (or are below the concentration threshold for classification).

**Germ cell mutagenicity:** No information available on the mixture, however none of the components have been classified for germ cell mutagenicity (or are below the concentration threshold for classification).

**Carcinogenicity:** No information available on the mixture, however none of the components are listed in the National

Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA.

**Reproductive toxicity:**

No information available on the mixture, however none of the components have been classified for reproductive toxicity (or are below the concentration threshold for classification).

**Specific target organ toxicity-  
 Single exposure:**

No information available on the mixture, however none of the components have been classified for STOT SE (or are below the concentration threshold for classification).

**Specific target organ toxicity-  
 Repeat exposure:**

No information available on the mixture, however none of the components have been classified for STOT RE (or are below the concentration threshold for classification).

**Aspiration hazard:**

No information available on the mixture, however none of the components have been classified for aspiration hazard (or are below the concentration threshold for classification).

**Further information:**

No data available.

**SECTION 12: Ecological information**

**Ecotoxicity:**

**Product data:** No data available

**Ingredient Information:**

Substance	Test Type	Species	Value
Potassium hydroxide	LC <sub>50</sub>	Fish - Gambusia affinis (Mosquito fish)	85 mg/l (24h)
	LC <sub>50</sub>	Aquatic crustacea	No data available
	EC <sub>50</sub>	Algae	No data available

**Persistence and Degradability:** No data available

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**Other adverse effects:** No data available.

### SECTION 13: Disposal considerations

**Disposal instructions:**

The generator of a waste is always responsible for making proper hazardous waste determinations and needs to consider state and local requirements in addition to federal regulations.

See Sections 7 and 8 for information on handling, storage and personal protection and Section 9 for physical/chemical properties. It is possible that the material as produced contains constituents which are not required to be listed in the SDS but could affect the hazardous waste determination. Additionally, use which results in chemical or physical change of this material could subject it to regulation as a hazardous waste.

### SECTION 14: Transport Information

**DOT:** This material is not classified as dangerous under DOT regulations.

**IATA:** This material is not classified as dangerous under IATA regulations.

**IMDG:** This material is not classified as dangerous under IMDG regulations.

### SECTION 15: Regulatory Information

**Safety, health and environmental regulations specific for the product.**

**USA:**

**United States Federal Regulations:** This SDS complies with the OSHA, 29 CFR 1910.1200. The product is hazardous under OSHA.

**Toxic Substances Control Act (TSCA)** – All substances in this product are listed, as required, on the TSCA inventory.

**SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:**

Section 302 – No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**CERCLA Hazardous Substance List, 40 CFR 302.4:**

Component	Reportable Quantity
Potassium Hydroxide	1000 lbs

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**  
None listed.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):** None listed.

**SARA Title III**

**Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):** None listed.

**Section 311/312 (40 CFR 370):**

**Acute Health Hazard:** No

**Chronic Health Hazard:** No

**Fire Hazard:** No

**Pressure Hazard:** No

**Reactivity Hazard:** No

**Section 313 Toxic Release Inventory (40 CFR 372):**

None

**STATE REGULATIONS:**

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

**California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986):** No components are listed on Prop 65.

**Massachusetts Right to Know:** Potassium hydroxide is listed on the Massachusetts Right to Know List.

**Minnesota Hazardous Substance List:** None of the components are listed on the Minnesota Hazardous Substance List.

**New Jersey Right to Know:** Potassium hydroxide is listed on the New Jersey Right to Know list.

**Pennsylvania Right to Know:** Potassium hydroxide is listed on the Pennsylvania Right to Know List.

**Canada WHMIS Hazard Class:** Not classified

**SECTION 16: Other information, including date of preparation or last revision.**

Revision Date: June 7, 2015

To the best of our knowledge, the information contained herein is accurate. However IDEAL INDUSTRIES INC. does not assume any liability whatsoever for the accuracy or



completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.



Revision  
date: 08.11.2016

Date of issue: 06.07.2015

Page: 1/10

<b>Trade name:</b>	<b>Aqua-Gel<sup>®</sup> II Utility Cable Pulling Lubricant</b>
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### SECTION 1: Identification

<b>Product identifier:</b>	<b>Aqua-Gel<sup>®</sup> II Utility Cable Pulling Lubricant.</b>
<b>Synonyms:</b>	None available.
<b>Product Code Number:</b>	31-371(G), 31-375(G), 31-378(G), 31-3855.
<b>SDS number:</b>	ID001
<b>Recommended use:</b>	Wire Pulling Lubricant.
<b>Recommended restrictions:</b>	None known.

#### **Manufacturer/Importer/Supplier/Distributor information:**

<b>Company Name:</b>	IDEAL INDUSTRIES, INC.
<b>Company Address:</b>	Becker Place, Sycamore, IL 60178
<b>Company Telephone:</b>	Office hours (Mon – Fri) 7AM - 5 PM (CDT) (815)895-5181
<b>Company Contact Name:</b>	Darryl Docter.
<b>Company Contact Email:</b>	IDEAL@IDEALINDUSTRIES.COM
<b>Emergency phone number:</b>	24 HOUR EMERGENCY NUMBER: (815)895-5181.

### SECTION 2: Hazard(s) identification

#### **Classification of the chemical in accordance with paragraph (d) of §1910.1200:**

##### *Physical hazards*

Not classified as a physical hazard under GHS criteria

##### *Health hazards*

Not classified as a health hazard under GHS criteria

##### *Environmental hazards*

Not classified as a physical hazard under GHS criteria.

**GHS Signal word:** **Not applicable.**

**GHS Hazard statement(s):** Not applicable.

**GHS Hazard symbol(s):** Not applicable.

**GHS Precautionary statement(s):**

**Prevention:**

No prevention precautionary statements required.

**Response:**

No response precautionary statements required

**Storage:**

No storage precautionary statements required.

**Disposal:**

No disposal precautionary statements required.

**Hazard(s) not otherwise**

**Classified (HNOC):** None known.

**Percentage of ingredient(s) of unknown acute toxicity:**

Not applicable.

**SECTION 3: Composition/information on ingredients**

**Mixture:**

Chemical name	CAS#	Concentration (weight %)
Potassium Hydroxide (20% solution)	1310-58-3	< 2%

Note: The balance of the ingredients are not classified as hazardous or below the threshold concentration, under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

**SECTION 4: First-aid Measures**

**Description of necessary measures:**

**Inhalation:** Obtain medical attention if there are signs of breathing difficulties.

**Skin contact:** Wash with plenty of soap and water. Remove contaminated clothing and thoroughly clean before reuse.

**Eye contact:** Flush eyes with water for at least 15 minutes, occasionally lifting eyelids. If pain or redness persists after flushing, obtain medical attention.

**Ingestion:** Do not induce vomiting. Consult physician or local poison control center.

**Most important symptoms/effects, acute and delayed:** None expected.

**Indication of immediate medical attention and special treatment needed:** If any symptoms are observed, contact a physician and give them this SDS sheet. If exposed or concerned: Get medical advice/attention.

#### **SECTION 5: Fire-fighting measures**

**Suitable extinguishing media:** Not flammable. Use extinguishing media suitable for surrounding materials.

**Unsuitable extinguishing media:** No data available.

**Specific hazards arising from the chemical:** Extreme temperatures of combustion or burning and contact with nitrites could result in the formation of nitrosamines which are potential carcinogens. This condition is unlikely to occur.  
Combustion products - Carbon monoxide, Carbon dioxide.

**Special protective equipment and precautions for fire-fighters:** For fire involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of combustion products and oxygen deficiencies.

#### **SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Stay upwind and away from spill/release. For large spillages, notify persons downwind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

#### **Methods and material for containment and cleaning up:**

Persons not wearing protective equipment should be excluded from area of spill until cleanup has been completed. Stop spill at source, wipe up, shovel or vacuum spilled material. Clean up spills immediately as they can be dangerously slippery. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required.

#### **SECTION 7: Handling and Storage**

**Precautions for safe handling:** Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8).

**Conditions for safe storage, including any incompatibles:** Store at temperatures between 40 - 180°F. Avoid freezing. Keep away from children, infants and pets. Keep container(s) tightly closed and properly labeled. Store only in approved containers. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage.

"Empty" containers retain residue and may be dangerous. "Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

**SECTION 8: Exposure controls/personal protection**

**Control Parameters:**

**Occupational exposure limits:**

<b>US OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): Permissible Exposure Limits</b>		
<b>Substance</b>	<b>PEL-TWA (8 hour)</b>	<b>PEL-STEL (15 min)</b>
Potassium Hydroxide	No data available	No data available

<b>US ACGIH Threshold Limit Values</b>		
<b>Substance</b>	<b>TLV-TWA (8 hour)</b>	<b>TLV-STEL (15 min)</b>
Potassium Hydroxide	2 mg/m <sup>3</sup> Ceiling	No data available

<b>NIOSH Exposure Limits</b>		
<b>Substance</b>	<b>TWA</b>	<b>STEL</b>
Potassium Hydroxide	2 mg/m <sup>3</sup> Ceiling	No data available

**Appropriate engineering controls:** General (mechanical) room ventilation is expected to be adequate. Special local ventilation is suggested at points where vapors can be expected to escape to the workplace air or in enclosed areas.

**Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** None normally required, but the use of OSHA compliant safety glasses or splash goggles recommended.

**Skin and Hand protection:** None normally needed -Neoprene if necessary. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Respiratory protection:** None normally required.

**Other:** Eye wash / eye bath in the work area is recommended but not necessary.

**Thermal hazards:** No data available.

**SECTION 9: Physical and chemical properties**

<b>Appearance</b>	
<b>Physical state:</b>	Gel
<b>Form:</b>	Clear gel.
<b>Color:</b>	Blue.
<b>Odor:</b>	Mild odor.
<b>Odor threshold:</b>	No data available
<b>pH:</b>	6.5 – 8.0
<b>Melting point/freezing point:</b>	No data available
<b>Initial boiling point and boiling range:</b>	100°C (212°F)
<b>Flash point:</b>	None
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	Not applicable
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%):</b>	No data available
<b>Flammability limit – upper (%):</b>	No data available
<b>Explosive limit – lower (%):</b>	No data available
<b>Explosive limit – upper (%):</b>	No data available
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative Density:</b>	0.9930-1.0330
<b>Solubility(ies):</b>	Infinite.
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	20000-40000 cps
<b>Other information:</b>	
<b>% Volatile by volume:</b>	< 90%
<b>Percent solids by weight:</b>	~10

**SECTION 10: Stability and Reactivity**

<b>Reactivity:</b>	Not chemically reactive.
<b>Chemical stability:</b>	Stable under normal ambient and anticipated conditions of use.
<b>Possibility of hazardous reactions:</b>	Hazardous reactions not anticipated.
<b>Conditions to avoid:</b>	Avoid prolonged storage at temperatures exceeding 190°F. Extreme temperatures of combustion or burning and contact with nitrites could result in the formation of nitrosamines which are potential carcinogens. This condition is unlikely to occur.
<b>Incompatible materials:</b>	Avoid contact with strong oxidizers and nitrites.

**Hazardous decomposition Products:** In the unlikely event of combustion of dried residue, oxides and nitrogen may be released.

**SECTION 11: Toxicological information**

**Information on likely routes of exposure:**

**Inhalation:** Not an expected route of entry.  
**Ingestion:** Not an expected route of entry.  
**Skin:** Not an expected route of entry.  
**Eyes:** Not an expected route of entry.

**Symptoms related to the physical, chemical, and toxicological characteristics:**  
None expected.

**Delayed and immediate effects and chronic effects from short or long-term exposure:**  
Detailed below.

**Numerical measures of toxicity:**  
**Ingredient Information:**

Substance	Test Type (species)	Value
Potassium hydroxide	LD <sub>50</sub> Oral (Rat)	273 mg/kg
	LD <sub>50</sub> Dermal (Rabbit)	No data available
	LC <sub>50</sub> Inhalation (Rat)	No data available

**Product Acute Toxicity Estimates:**

Acute Oral Toxicity – no data available  
Acute Dermal Toxicity - no data available  
Acute Inhalation Toxicity - no data available

**Skin corrosion/irritation:** Not expected to cause skin corrosion or irritation.

**Serious eye damage/eye irritation:** Not expected to cause eye damage / irritation.

**Respiratory sensitization:** No information available on the mixture, however none of the components have been classified as a respiratory sensitizer (or are below the concentration threshold for classification).

**Skin sensitization:** No information available on the mixture, however none of the components have been classified as a skin sensitizer (or are below the concentration threshold for classification).

**Germ cell mutagenicity:** No information available on the mixture, however none of the components have been classified for

germ cell mutagenicity (or are below the concentration threshold for classification).

**Carcinogenicity:**

No information available on the mixture, however none of the components are listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA.

**Reproductive toxicity:**

No information available on the mixture, however none of the components have been classified for reproductive toxicity (or are below the concentration threshold for classification).

**Specific target organ toxicity-  
 Single exposure:**

No information available on the mixture, however none of the components have been classified for STOT SE (or are below the concentration threshold for classification).

**Specific target organ toxicity-  
 Repeat exposure:**

No information available on the mixture, however none of the components have been classified for STOT RE (or are below the concentration threshold for classification).

**Aspiration hazard:**

No information available on the mixture, however none of the components have been classified for aspiration hazard (or are below the concentration threshold for classification).

**Further information:**

No data available.

**SECTION 12: Ecological information**

**Ecotoxicity:**

**Product data:** No data available

**Ingredient Information:**

Substance	Test Type	Species	Value
Potassium hydroxide	LC <sub>50</sub>	Fish - Gambusia affinis (Mosquito fish)	85 mg/l (24h)



	LC <sub>50</sub>	Aquatic crustacea	No data available
	EC <sub>50</sub>	Algae	No data available

**Persistence and Degradability:** No data available

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**Other adverse effects:** No data available.

### SECTION 13: Disposal considerations

#### Disposal instructions:

The generator of a waste is always responsible for making proper hazardous waste determinations and needs to consider state and local requirements in addition to federal regulations.

See Sections 7 and 8 for information on handling, storage and personal protection and Section 9 for physical/chemical properties. It is possible that the material as produced contains constituents which are not required to be listed in the SDS but could affect the hazardous waste determination. Additionally, use which results in chemical or physical change of this material could subject it to regulation as a hazardous waste.

### SECTION 14: Transport Information

**DOT:** This material is not classified as dangerous under DOT regulations.

**IATA:** This material is not classified as dangerous under IATA regulations.

**IMDG:** This material is not classified as dangerous under IMDG regulations.

### SECTION 15: Regulatory Information

#### Safety, health and environmental regulations specific for the product.

##### USA:

**United States Federal Regulations:** This SDS complies with the OSHA, 29 CFR 1910.1200. The product is hazardous under OSHA.

**Toxic Substances Control Act (TSCA)** – All substances in this product are listed, as required, on the TSCA inventory.

#### SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:

Section 302 – No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### CERCLA Hazardous Substance List, 40 CFR 302.4:

<b>Component</b>	<b>Reportable Quantity</b>
Potassium Hydroxide	1000 lbs

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**  
None listed.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):** None listed.

**SARA Title III**

**Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):** None listed.

**Section 311/312 (40 CFR 370):**

**Acute Health Hazard:** No

**Chronic Health Hazard:** No

**Fire Hazard:** No

**Pressure Hazard:** No

**Reactivity Hazard:** No

**Section 313 Toxic Release Inventory (40 CFR 372):**

None

**STATE REGULATIONS:**

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

**California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986):** No components are listed on Prop 65.

**Massachusetts Right to Know:** Potassium hydroxide is listed on the Massachusetts Right to Know List.

**Minnesota Hazardous Substance List:** None of the components are listed on the Minnesota Hazardous Substance List.

**New Jersey Right to Know:** Potassium hydroxide is listed on the New Jersey Right to Know list.

**Pennsylvania Right to Know:** Potassium hydroxide is listed on the Pennsylvania Right to Know List.

**Canada WHMIS Hazard Class:** Not classified.

**SECTION 16: Other information, including date of preparation or last revision.**

Revision Date: June 07, 2015

To the best of our knowledge, the information contained herein is accurate. However IDEAL INDUSTRIES INC. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.



Revision  
date: 08.11.16

Date of issue: 05.02.2015

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<b>Trade name:</b>	<b>Clear Glide™ Wire Pulling Lubricant</b>
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### SECTION 1: Identification

**Product identifier:** Clear Glide™ Wire Pulling Lubricant.  
**Synonyms:** None available.  
**Product Code Number:** 31-388(-6), 31-381, 31-385(G), 31-2143.  
**SDS number:** ID006  
**Recommended use:** Wire Pulling Lubricant.  
**Recommended restrictions:** None known.

**Manufacturer/Importer/Supplier/Distributor information:**

**Company Name:** IDEAL INDUSTRIES, INC.  
**Company Address:** Becker Place,  
Sycamore, IL 60178  
**Company Telephone:** Office hours (Mon – Fri)  
7AM - 5 PM (CDT)  
(815)895-5181  
**Company Contact Name:** Darryl Docter.  
**Company Contact Email:** IDEAL@IDEALINDUSTRIES.COM  
**Emergency phone number:** 24 HOUR EMERGENCY NUMBER:  
(815)895-5181.

### SECTION 2: Hazard(s) identification

**Classification of the chemical in accordance with paragraph (d) of §1910.1200:**

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

***Physical hazards***

Not classified as a physical hazard under GHS criteria

***Health hazards***

Not classified as a health hazard under GHS criteria.

***Environmental hazards***

Not classified as an environmental hazard under GHS criteria.

**GHS Signal word:** Not applicable.

**GHS Hazard statement(s):** Not applicable.

**GHS Hazard symbol(s):** Not applicable.

**GHS Precautionary statement(s):**

**Prevention:** No prevention precautionary phrases.

**Response:** No response precautionary phrases.

**Storage:** No storage precautionary phrases.

**Disposal:** No disposal precautionary phrases.

**Hazard(s) not otherwise**

**Classified (HNOC):** None known.

**Percentage of ingredient(s) of unknown acute toxicity:**

Not applicable.

**SECTION 3: Composition/information on ingredients**

**Mixture:**

<b>Chemical name</b>	<b>Concentration (weight %)</b>	<b>CAS#</b>
Not applicable		

There are no ingredients present at above the cut off concentrations for GHS classification and therefore the product is not classified as hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

**SECTION 4: First-aid Measures**

**Description of necessary measures:**

**Inhalation:** If inhaled, move to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms persist.

**Skin contact:** In case of contact, Wash skin with soap and for at least 15 minutes. Remove contaminated clothing and thoroughly clean before reuse. Get medical attention if symptoms persist.

**Eye contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms persist.

**Ingestion:** Administer water or milk. Do NOT induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Consult physician or local poison control center.

**Most important symptoms/effects, acute and delayed:** None expected.

**Indication of immediate medical attention and special treatment needed:** If any symptoms are observed, contact a physician and give them this SDS sheet. If exposed or concerned: Get medical advice/attention.

#### **SECTION 5: Fire-fighting measures**

**Suitable extinguishing media:** Not flammable. Use extinguishing media suitable for surrounding materials.

**Unsuitable extinguishing media:** No data available.

**Specific hazards arising from the chemical:** None expected.  
Combustion products - Oxides of carbon, nitrogen and silicone.

**Special protective equipment and precautions for fire-fighters:** For fire involving this material, do not enter any enclosed or confined fire space without proper protective equipment. Use self-contained breathing apparatus with full face shield to protect against the hazardous effects of combustion products and oxygen deficiencies.

#### **SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Stay upwind and away from spill/release. For large spillages, notify persons downwind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

**Methods and material for containment and cleaning up:**

Stop spill at source. Wipe up, shovel or vacuum spilled material. Clean up spills immediately as they can be dangerously slippery. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required.

#### **SECTION 7: Handling and Storage**

**Precautions for safe handling:** Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8).

**Conditions for safe storage, including any incompatibles:** Store at temperatures between 40 - 180 F. Avoid freezing. Keep away from children, infants and pets. Keep in dry location. Keep container(s) tightly closed and properly labeled. Store only in approved containers. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage. Avoid prolonged storage at temperatures exceeding 190 F.

"Empty" containers retain residue and may be dangerous. "Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

**SECTION 8: Exposure controls/personal protection**

**Control Parameters:**

**Occupational exposure limits:**

<b>US OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): Permissible Exposure Limits</b>		
<b>Substance</b>	<b>PEL-TWA (8 hour)</b>	<b>PEL-STEEL (15 min)</b>
2-Amino-2-methyl-1-propanol	None established	None established

<b>US ACGIH Threshold Limit Values</b>		
<b>Substance</b>	<b>TLV-TWA (8 hour)</b>	<b>TLV-STEEL (15 min)</b>
2-Amino-2-methyl-1-propanol	None established	None established

<b>NIOSH Exposure Limits</b>		
<b>Substance</b>	<b>TWA</b>	<b>STEEL</b>
2-Amino-2-methyl-1-propanol	None established	None established

**Appropriate engineering controls:** General (mechanical) room ventilation is expected to be adequate. Additional means of room ventilation may be required in closed areas.

**Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** The use of OSHA compliant Safety glasses or splash goggles are recommended.

**Skin and Hand protection:** None normally required.

**Respiratory protection:** None normally required. Where protection from nuisance levels of dusts are desired, use type N95 (US) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH/OSHA.

**Other:** None required.

**Thermal hazards:** No data available.

## SECTION 9: Physical and chemical properties

### Appearance

<b>Physical state:</b>	Gel
<b>Form:</b>	Clear, colorless gel.
<b>Color:</b>	Colorless.
<b>Odor:</b>	Slight odor.
<b>Odor threshold:</b>	No data available
<b>pH:</b>	7.0 - 8.0
<b>Melting point/freezing point:</b>	No data available
<b>Initial boiling point and boiling range:</b>	212°F (100°C)
<b>Flash point:</b>	None
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	Not applicable
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%):</b>	Not applicable
<b>Flammability limit – upper (%):</b>	Not applicable
<b>Explosive limit – lower (%):</b>	Not applicable
<b>Explosive limit – upper (%):</b>	Not applicable
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative Density:</b>	1.09
<b>Solubility(ies):</b>	Infinite in water.
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	25300-40300 cps
<b>Other information:</b>	
<b>% Volatile by volume:</b>	< 98%
<b>Volatile Organic Compounds (VOC) (as packaged, minus water)</b>	17.4 gms/ltr
<b>Percent solids by weight:</b>	~ 5%

## SECTION 10: Stability and Reactivity

**Reactivity:** Not chemically reactive.



**Chemical stability:** Stable under normal ambient and anticipated conditions of use.  
**Possibility of hazardous reactions:** Hazardous reactions not anticipated.  
**Conditions to avoid:** Avoid prolonged storage at temperatures exceeding 190 F.  
**Incompatible materials:** Avoid strong oxidizers and nitrites.  
**Hazardous decomposition Products:** Oxides of carbon, nitrogen and silicone.

## SECTION 11: Toxicological information

### Information on likely routes of exposure:

**Inhalation:** Not an expected route of entry.  
**Ingestion:** Not an expected route of entry.  
**Skin:** Expected to be a primary route of entry.  
**Eyes:** Not an expected route of entry.

### Symptoms related to the physical, chemical, and toxicological characteristics:

None normally expected.

### Delayed and immediate effects and chronic effects from short or long-term exposure:

Upon prolonged contact, may cause temporary eye discomfort.

### Numerical measures of toxicity:

#### Ingredient Information:

Substance	Test Type (species)	Value
2-Amino-2-methyl-1-propanol	LD <sub>50</sub> Oral (Rat)	2900 mg/kg
	LD <sub>50</sub> Dermal (Rabbit)	> 2000 mg/kg
	LC <sub>50</sub> Inhalation (Rat)	No data available

### Product Acute Toxicity Estimates:

Acute Oral Toxicity – no data available  
Acute Dermal Toxicity - no data available  
Acute Inhalation Toxicity - no data available

**Skin corrosion/irritation:** No information available on the mixture, however none of the components have been classified to cause skin corrosion/irritation (or are below the concentration threshold for classification).

**Serious eye damage/eye irritation:** No information available on the mixture, however none of the components have been classified to cause eye damage/irritation (or are below the concentration threshold for classification).

<b>Respiratory sensitization:</b>	No information available on the mixture, however none of the components have been classified as a respiratory sensitizer (or are below the concentration threshold for classification).
<b>Skin sensitization:</b>	No information available on the mixture, however none of the components have been classified as a skin sensitizer (or are below the concentration threshold for classification).
<b>Germ cell mutagenicity:</b>	No information available on the mixture, however none of the components have been classified for germ cell mutagenicity (or are below the concentration threshold for classification).
<b>Carcinogenicity:</b>	No information available on the mixture, however none of the components have been classified for carcinogenicity (or are below the concentration threshold for classification).
<b>Reproductive toxicity:</b>	No information available on the mixture, however none of the components have been classified for reproductive toxicity (or are below the concentration threshold for classification).
<b>Specific target organ toxicity- Single exposure:</b>	No information available on the mixture, however none of the components have been classified for STOT SE (or are below the concentration threshold for classification).
<b>Specific target organ toxicity- Repeat exposure:</b>	No information available on the mixture, however none of the components have been classified for STOT RE (or are below the concentration threshold for classification).
<b>Aspiration hazard:</b>	No information available on the mixture, however none of the components have been classified for aspiration hazard (or are below the concentration threshold for classification).
<b>Further information:</b>	No data available.

## **SECTION 12: Ecological information**

### **Ecotoxicity:**

**Product data:** No data available

**Ingredient Information:**

Substance	Test Type	Species	Value
2-Amino-2-methyl-1-propanol	LC <sub>50</sub>	Lepomis macrochirus (Bluegill sunfish)	190 mg/l (96h)
	LC <sub>50</sub>	Aquatic invertebrate – Daphnia magna (water flea)	193 mg/l (48h)
	EyC <sub>50</sub>	Algae - Scenedesmus sp	565.5 mg/l (72h)

**Persistence and Degradability:** No data available

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**Other adverse effects:** No data available.

**SECTION 13: Disposal considerations**

**Disposal instructions:**

Contact a licensed professional waste disposal service to dispose of this material. The generator of a waste is always responsible for making proper hazardous waste determinations and needs to consider state and local requirements in addition to federal regulations. See Sections 7 and 8 for information on handling, storage and personal protection and Section 9 for physical/chemical properties. It is possible that the material as produced contains constituents which are not required to be listed in the SDS but could affect the hazardous waste determination. Additionally, use which results in chemical or physical change of this material could subject it to regulation as a hazardous waste.

**SECTION 14: Transport Information**

**DOT:** This material is not classified as dangerous under DOT regulations.

**IATA:** This material is not classified as dangerous under IATA regulations.

**IMDG:** This material is not classified as dangerous under IMDG regulations.

## SECTION 15: Regulatory Information

### Safety, health and environmental regulations specific for the product.

#### USA:

**United States Federal Regulations:** This SDS complies with the OSHA, 29 CFR 1910.1200. The product is not hazardous under OSHA.

**Toxic Substances Control Act (TSCA)** – All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

#### **SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:**

Section 302 – No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### **CERCLA Hazardous Substance List, 40 CFR 302.4:**

None listed.

#### **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None listed.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):** None listed.

#### **SARA Title III**

**Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):** None listed.

#### **Section 311/312 (40 CFR 370):**

**Acute Health Hazard:** No

**Chronic Health Hazard:** No

**Fire Hazard:** No

**Pressure Hazard:** No

**Reactivity Hazard:** No

#### **Section 313 Toxic Release Inventory (40 CFR 372):**

This product contains the following materials that are subject to the reporting requirements of Section 313 of EPCRA: None

#### STATE REGULATIONS:

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

**California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986):** None of the components are listed on Prop 65 as a carcinogen.

**Massachusetts Right to Know:** None of the components are listed on the Massachusetts Right to Know List.

**Minnesota Hazardous Substance List:** None of the components are listed on the Minnesota Hazardous Substance List.

**New Jersey Right to Know:** None of the components are listed on the New Jersey Right to Know list.

**Pennsylvania Right to Know:** None of the components are listed on the Pennsylvania Right to Know List.

**Canada WHMIS Hazard Class:** Not hazardous under WHMIS

**SECTION 16: Other information, including date of preparation or last revision.**

Revision Date: May 2, 2015

To the best of our knowledge, the information contained herein is accurate. However IDEAL INDUSTRIES INC. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.



Revision date: Initial version  
Date of issue: 05.13.2015

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**Trade name:** Velocity™ Cable Pulling Lubricant

**SECTION 1: Identification**

**Product identifier:** Velocity™ Cable Pulling Lubricant.  
**Synonyms:** None available.  
**Product Code Number:** 31-276, 31-277, 31-278.  
**SDS number:** ID020  
**Recommended use:** Wire Pulling Lubricant.  
**Recommended restrictions:** None known.

**Manufacturer/Importer/Supplier/Distributor information:**

**Company Name:** IDEAL INDUSTRIES, INC.  
**Company Address:** Becker Place,  
Sycamore, IL 60178  
**Company Telephone:** Office hours (Mon – Fri)  
7AM - 5 PM (CDT)  
(815)895-5181  
**Company Contact Name:** Darryl Docter.  
**Company Contact Email:** IDEAL@IDEALINDUSTRIES.COM  
**Emergency phone number:** 24 HOUR EMERGENCY NUMBER:  
(815)895-5181.

**SECTION 2: Hazard(s) identification**

**Classification of the chemical in accordance with paragraph (d) of §1910.1200:**

***Physical hazards***

Not classified as a physical hazard under GHS criteria.

***Health hazards***

Not classified as a health hazard under GHS criteria

***Environmental hazards***

Not classified as an environmental hazard under GHS criteria.

**GHS Signal word:** Not applicable.

**GHS Hazard statement(s):** Not applicable.

**GHS Hazard symbol(s):** Not applicable

**GHS Precautionary statement(s):**

**Prevention:**

No prevention precautionary statements required.

**Response:**

No response precautionary statements required

**Storage:**

No storage precautionary statements required.

**Disposal:**

No disposal precautionary statements required.

**Hazard(s) not otherwise**

**Classified (HNOC):** None known.

**Percentage of ingredient(s) of unknown acute toxicity:**

Not applicable

**SECTION 3: Composition/information on ingredients**

**Mixture:** Polymer-based Mixture

<b>Chemical name</b>	<b>CAS#</b>	<b>Concentration (weight %)</b>
None of the chemical raw materials contained in this formulation are considered hazardous under the Federal Hazards Communication Standard 29 C. F. R 1910.1200		

**SECTION 4: First-aid Measures**

**Description of necessary measures:**

**Inhalation:** Move to fresh air. Get medical attention if symptoms develop.

**Skin contact:** Wash off with warm water and soap for 15 minutes. Get medical attention if irritation develops or persists.

**Eye contact:** Flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

**Ingestion:** Induce vomiting. Consult physician or local poison control center.

**Most important symptoms/effects, acute and delayed:** None normally expected. Upon prolonged contact, may cause temporary eye discomfort. If material is used in extreme heat (>120° F), prolonged and repeated exposure could pose a risk of pulmonary disease.

**Indication of immediate medical attention and special treatment needed:** If any symptoms are observed, contact a physician and give them this SDS sheet.

#### **SECTION 5: Fire-fighting measures**

**Suitable extinguishing media:** Not flammable by OSHA criteria. Use extinguishing media suitable for surrounding materials.

**Unsuitable extinguishing media:** No data available.

**Specific hazards arising from the chemical:** None expected.

Combustion products - Excessive heat and burning may release oxides of carbon and nitrogen.

**Special protective equipment and precautions for fire-fighters:** Containers should be cooled with water to prevent vapor pressure build up. Cool containers with flooding quantities of water until well after fire is out. Move containers from fire area if you can do so without risk. For fire involving this material, do not enter any enclosed or confined fire space without proper protective equipment. Use self-contained breathing apparatus with full face shield to protect against the hazardous effects of combustion products and oxygen deficiencies.

#### **SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Isolate immediate hazard area and keep unauthorized personnel out. Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

**Methods and material for containment and cleaning up:**

Wipe up, shovel or vacuum spilled material. Clean up spills immediately as they can be dangerously slippery.

#### **SECTION 7: Handling and Storage**

**Precautions for safe handling:** Keep away from children, infants and pets. Avoid contact with skin. Avoid contact with eyes. Wear personal protective equipment. Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8).

**Conditions for safe storage, including any incompatibles:**

Store at temperatures between 40 - 120° F. Avoid freezing.

#### **SECTION 8: Exposure controls/personal protection**

**Control Parameters:**

**Occupational exposure limits:**



<b>US OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): Permissible Exposure Limits</b>		
<b>Substance</b>	<b>PEL-TWA (8 hour)</b>	<b>PEL-STEL (15 min)</b>
Not applicable		

<b>US ACGIH Threshold Limit Values</b>		
<b>Substance</b>	<b>TLV-TWA (8 hour)</b>	<b>TLV-STEL (15 min)</b>
Not applicable		

<b>USA. Workplace Environmental Exposure Levels (WEEL)</b>		
<b>Substance</b>	<b>TWA</b>	<b>STEL</b>
Not applicable		

**Appropriate engineering controls:** General (mechanical) room ventilation is expected to be adequate. Special local ventilation is recommended to keep mists below exposure limits. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** The use of safety glasses or splash goggles are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US).

**Skin and Hand protection:** None normally required. If worn, use neoprene. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Respiratory protection:** No personal respiratory protective equipment normally required.

**Other:** Eye fountain in work area is recommended.

**Thermal hazards:** No data available.

**SECTION 9: Physical and chemical properties**

**Appearance**

**Physical state:** Gel  
**Form:** Ivory Translucent Gel.  
**Color:** Ivory.  
**Odor:** None.  
**Odor threshold:** No data available

<b>pH:</b>	6.5-8.0.
<b>Melting point/freezing point:</b>	No data available
<b>Initial boiling point and boiling range:</b>	212°F 100°C
<b>Flash point:</b>	None
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	The product is not flammable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%):</b>	Not applicable
<b>Flammability limit – upper (%):</b>	Not applicable
<b>Explosive limit – lower (%):</b>	Not applicable
<b>Explosive limit – upper (%):</b>	Not applicable
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative Density:</b>	0.98
<b>Solubility(ies):</b>	Moderate
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Other information:</b>	
<b>Percent volatile by volume (%):</b>	< 90%
<b>Percent solid by weight:</b>	< 5%

## SECTION 10: Stability and Reactivity

<b>Reactivity:</b>	Not chemically reactive.
<b>Chemical stability:</b>	Stable under normal ambient and anticipated conditions of use.
<b>Possibility of hazardous reactions:</b>	Hazardous reactions not anticipated.
<b>Conditions to avoid:</b>	None expected.
<b>Incompatible materials:</b>	Avoid strong oxidizers.
<b>Hazardous decomposition Products:</b>	Excessive heat and burning may release oxides of carbon and nitrogen.

## SECTION 11: Toxicological information

### Information on likely routes of exposure:

<b>Inhalation:</b>	Not an expected route of entry.
<b>Ingestion:</b>	Not an expected route of entry.
<b>Skin:</b>	Skin contact is a primary route of entry.
<b>Eyes:</b>	Not an expected route of entry.

### Symptoms related to the physical, chemical, and toxicological characteristics:

None normally expected. If material is used in extreme heat (>120° F), prolonged and repeated exposure could pose a risk of pulmonary disease.

**Delayed and immediate effects and chronic effects from short or long-term exposure:**  
Upon prolonged contact, may cause temporary eye discomfort.

**Numerical measures of toxicity:**  
**Ingredient Information:**

Substance	Test Type (species)	Value
Not applicable	LD <sub>50</sub> Oral (Rat)	
	LD <sub>50</sub> Dermal (Rabbit)	
	LC <sub>50</sub> Inhalation (Rat)	

**Product Acute Toxicity Estimates:**

Acute Oral Toxicity – no data available  
Acute Dermal Toxicity - no data available  
Acute Inhalation Toxicity - no data available

**Skin corrosion/irritation:** No information available on the mixture, however none of the components have been classified as skin corrosive/irritant (or are below the concentration threshold for classification).

**Serious eye damage/eye irritation:** No information available on the mixture, however none of the components have been classified as causing eye damage/eye irritation (or are below the concentration threshold for classification).

**Respiratory sensitization:** No information available on the mixture, however none of the components have been classified as a respiratory sensitizer (or are below the concentration threshold for classification).

**Skin sensitization:** No information available on the mixture, however none of the components have been classified as a skin sensitizer (or are below the concentration threshold for classification).

**Germ cell mutagenicity:** No information available on the mixture, however none of the components have been classified for germ cell mutagenicity (or are below the concentration threshold for classification).

**Carcinogenicity:** No information available on the mixture, however none of the components are listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential

carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA.

**Reproductive toxicity:**

No information available on the mixture, however none of the components have been classified for reproductive toxicity (or are below the concentration threshold for classification).

**Specific target organ toxicity-  
Single exposure:**

No information available on the mixture, however none of the components have been classified for STOT SE (or are below the concentration threshold for classification).

**Specific target organ toxicity-  
Repeat exposure:**

No information available on the mixture, however none of the components have been classified for STOT RE (or are below the concentration threshold for classification).

**Aspiration hazard:**

No information available on the mixture, however none of the components have been classified for Aspiration hazard (or are below the concentration threshold for classification).

**Further information:**

No data available.

**SECTION 12: Ecological information**

**Ecotoxicity:**

**Product data:** No data available

**Ingredient Information:**

Substance	Test Type	Species	Value
Not applicable	LC <sub>50</sub>	Fish	
	LC <sub>50</sub>	Aquatic Invertebrates	
	EC <sub>50</sub>	Algae	

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**Other adverse effects:** No data available.

### **SECTION 13: Disposal considerations**

#### **Disposal instructions:**

This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

See Sections 7 and 8 for information on handling, storage and personal protection and Section 9 for physical/chemical properties.

### **SECTION 14: Transport Information**

#### **US Department of Transportation Classification (49CFR)**

This material is not classified as dangerous under DOT regulations.

#### **IMDG**

This material is not classified as dangerous under IMDG regulations.

#### **IATA (Country variations may apply)**

This material is not classified as dangerous under IATA regulations

#### **Environmental hazards**

Marine pollutant: No.

#### **Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)**

No further relevant information available.

#### **Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.**

None.

### **SECTION 15: Regulatory Information**

#### **Safety, health and environmental regulations specific for the product.**

#### **USA:**

**United States Federal Regulations:** This SDS complies with the OSHA, 29 CFR 1910.1200. The product is not hazardous under OSHA.

**Toxic Substances Control Act (TSCA)** – All substances in this product are exempt from the TSCA inventory.

**SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:**

Section 302 – No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**CERCLA Hazardous Substance List, 40 CFR 302.4:**

None listed.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None listed.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):** None listed.

**SARA Title III**

**Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):** None listed.

**Section 311/312 (40 CFR 370):**

**Acute Health Hazard:** No

**Chronic Health Hazard:** No

**Fire Hazard:** No

**Pressure Hazard:** No

**Reactivity Hazard:** No

**Section 313 Toxic Release Inventory (40 CFR 372):**

This product contains the following materials that are subject to the reporting requirements of Section 313 of EPCRA: None

**STATE REGULATIONS:**

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

**California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986):** No components are listed on Prop 65 as a carcinogen.

**Massachusetts Right to Know:** No components are listed on the Massachusetts Right to Know List.

**New Jersey Right to Know:** No components are listed on the New Jersey Right to Know list.

**Pennsylvania Right to Know:** No components are listed on the Pennsylvania Right to Know List.

**Canada WHMIS Hazard Class:** Not applicable.

**SECTION 16: Other information, including date of preparation or last revision.**

Revision Date: May 13, 2015

To the best of our knowledge, the information contained herein is accurate. However IDEAL INDUSTRIES INC. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.



Revision  
date: Initial version

Date of issue: 08-07-18

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**Trade name:** YELLOW 77<sup>®</sup> PLUS Wire Pulling Lubricant

#### SECTION 1: Identification

**Product identifier:** YELLOW 77<sup>®</sup> PLUS Wire Pulling Lubricant.  
**Synonyms:** None available.  
**Product Code Number:** 31-398, 31-391, 31-395.  
**SDS number:** ID021  
**Recommended use:** Wire Pulling Lubricant.  
**Recommended restrictions:** None known.

#### Manufacturer/Importer/Supplier/Distributor information:

**Company Name:** IDEAL INDUSTRIES, INC.  
**Company Address:** Becker Place,  
Sycamore, IL 60178  
**Company Telephone:** Office hours (Mon – Fri)  
7AM - 5 PM (CDT)  
(815)895-5181  
**Company Contact Name:** Darryl Docter.  
**Company Contact Email:** IDEAL@IDEALINDUSTRIES.COM  
**Emergency phone number:** 24 HOUR EMERGENCY NUMBER:  
(815)895-5181.

#### SECTION 2: Hazard(s) identification

#### Classification of the chemical in accordance with paragraph (d) of §1910.1200:

##### *Physical hazards*

Not classified as a physical hazard under GHS criteria.

##### *Health hazards*

Not classified as a health hazard under GHS criteria

##### *Environmental hazards*

Not classified as an environmental hazard under GHS criteria.

**GHS Signal word:** Not applicable.

**GHS Hazard statement(s):** Not applicable.

**GHS Hazard symbol(s):** Not applicable



**GHS Precautionary statement(s):**

**Prevention:**

No prevention precautionary statements required.

**Response:**

No response precautionary statements required

**Storage:**

No storage precautionary statements required.

**Disposal:**

No disposal precautionary statements required.

**Hazard(s) not otherwise**

**Classified (HNOC):** None known.

**Percentage of ingredient(s) of unknown acute toxicity:**

Not applicable

**SECTION 3: Composition/information on ingredients**

**Mixture:**

<b>Chemical name</b>	<b>CAS#</b>	<b>Concentration (weight %)</b>
None of the chemical raw materials contained in this formulation are considered hazardous under the Federal Hazards Communication Standard 29 C. F. R 1910.1200		

**SECTION 4: First-aid Measures**

**Description of necessary measures:**

**Inhalation:** Move to fresh air. Get medical attention if symptoms develop.

**Skin contact:** Wash off with warm water and soap for 15 minutes. Get medical attention if irritation develops or persists.

**Eye contact:** Flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

**Ingestion:** Administer water or milk. Consult physician or local poison control center.

**Most important symptoms/effects, acute and delayed:** None normally expected. Upon prolonged contact, may cause temporary eye discomfort. If material is used in extreme heat (>120° F), prolonged and repeated exposure could pose a risk of pulmonary disease.

**Indication of immediate medical attention and special treatment needed:** If any symptoms are observed, contact a physician and give them this SDS sheet.

#### **SECTION 5: Fire-fighting measures**

**Suitable extinguishing media:** Not flammable by OSHA criteria. Use extinguishing media suitable for surrounding materials.

**Unsuitable extinguishing media:** No data available.

**Specific hazards arising from the chemical:** None expected.  
Combustion products - Excessive heat and burning may release oxides of carbon and nitrogen.

**Special protective equipment and precautions for fire-fighters:** Containers should be cooled with water to prevent vapor pressure build up. Cool containers with flooding quantities of water until well after fire is out. Move containers from fire area if you can do so without risk. For fire involving this material, do not enter any enclosed or confined fire space without proper protective equipment. Use self-contained breathing apparatus with full face shield to protect against the hazardous effects of combustion products and oxygen deficiencies.

#### **SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Isolate immediate hazard area and keep unauthorized personnel out. Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

**Methods and material for containment and cleaning up:**

Wipe up, shovel or vacuum spilled material. Clean up spills immediately as they can be dangerously slippery.

#### **SECTION 7: Handling and Storage**

**Precautions for safe handling:** Keep away from children, infants and pets. Avoid contact with skin. Avoid contact with eyes. Wear personal protective equipment. Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8).

**Conditions for safe storage, including any incompatibles:**

Store at temperatures between 40 - 120° F. Avoid freezing.

**SECTION 8: Exposure controls/personal protection**

**Control Parameters:**

**Occupational exposure limits:**

<b>US OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): Permissible Exposure Limits</b>		
<b>Substance</b>	<b>PEL-TWA (8 hour)</b>	<b>PEL-STEL (15 min)</b>
Not applicable		

<b>US ACGIH Threshold Limit Values</b>		
<b>Substance</b>	<b>TLV-TWA (8 hour)</b>	<b>TLV-STEL (15 min)</b>
Not applicable		

<b>USA. Workplace Environmental Exposure Levels (WEEL)</b>		
<b>Substance</b>	<b>TWA</b>	<b>STEL</b>
Not applicable		

**Appropriate engineering controls:** General (mechanical) room ventilation is expected to be adequate. Special local ventilation is recommended to keep mists below exposure limits. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** The use of safety glasses or splash goggles are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US).

**Skin and Hand protection:** None normally required. If worn, use neoprene. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Respiratory protection:** No personal respiratory protective equipment normally required.

**Other:** Eye fountain in work area is recommended.

**Thermal hazards:** No data available.

### SECTION 9: Physical and chemical properties

#### Appearance

<b>Physical state:</b>	Paste
<b>Form:</b>	Yellow creamy paste.
<b>Color:</b>	Light yellow.
<b>Odor:</b>	Slight odor.
<b>Odor threshold:</b>	No data available
<b>pH:</b>	6.5-8.0.
<b>Melting point/freezing point:</b>	No data available
<b>Initial boiling point and boiling range:</b>	212°F 100°C
<b>Flash point:</b>	None
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	The product is not flammable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%):</b>	Not applicable
<b>Flammability limit – upper (%):</b>	Not applicable
<b>Explosive limit – lower (%):</b>	Not applicable
<b>Explosive limit – upper (%):</b>	Not applicable
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative Density:</b>	0.93
<b>Solubility(ies):</b>	Moderate
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	81000 cps @ 1 rpm 158°F 87500 cps @ 1 rpm 77°F
<b>Other information:</b>	
<b>Percent volatile by volume (%):</b>	< 90%
<b>Percent solid by weight:</b>	~15%

### SECTION 10: Stability and Reactivity

<b>Reactivity:</b>	Not chemically reactive.
<b>Chemical stability:</b>	Stable under normal ambient and anticipated conditions of use.
<b>Possibility of hazardous reactions:</b>	Hazardous reactions not anticipated.
<b>Conditions to avoid:</b>	Avoid prolonged storage at temperatures above 120F.
<b>Incompatible materials:</b>	Avoid strong oxidizers.
<b>Hazardous decomposition Products:</b>	Excessive heat and burning may release oxides of carbon and nitrogen.

**SECTION 11: Toxicological information**

**Information on likely routes of exposure:**

**Inhalation:** Not an expected route of entry.  
**Ingestion:** Not an expected route of entry.  
**Skin:** Skin contact is a primary route of entry.  
**Eyes:** Not an expected route of entry.

**Symptoms related to the physical, chemical, and toxicological characteristics:**

None normally expected. If material is used in extreme heat (>120° F), prolonged and repeated exposure could pose a risk of pulmonary disease.

**Delayed and immediate effects and chronic effects from short or long-term exposure:**

Upon prolonged contact, may cause temporary eye discomfort.

**Numerical measures of toxicity:**

**Ingredient Information:**

Substance	Test Type (species)	Value
Not applicable	LD <sub>50</sub> Oral (Rat)	
	LD <sub>50</sub> Dermal (Rabbit)	
	LC <sub>50</sub> Inhalation (Rat)	

**Product Acute Toxicity Estimates:**

Acute Oral Toxicity – no data available  
Acute Dermal Toxicity - no data available  
Acute Inhalation Toxicity - no data available

**Skin corrosion/irritation:** No information available on the mixture, however none of the components have been classified as skin corrosive/irritant (or are below the concentration threshold for classification).

**Serious eye damage/eye irritation:** No information available on the mixture, however none of the components have been classified as causing eye damage/eye irritation (or are below the concentration threshold for classification).

**Respiratory sensitization:** No information available on the mixture, however none of the components have been classified as a respiratory sensitizer (or are below the concentration threshold for classification).

**Skin sensitization:** No information available on the mixture, however none of the components have been classified as a skin

sensitizer (or are below the concentration threshold for classification).

**Germ cell mutagenicity:**

No information available on the mixture, however none of the components have been classified for germ cell mutagenicity (or are below the concentration threshold for classification).

**Carcinogenicity:**

No information available on the mixture, however none of the components are listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA.

**Reproductive toxicity:**

No information available on the mixture, however none of the components have been classified for reproductive toxicity (or are below the concentration threshold for classification).

**Specific target organ toxicity-  
Single exposure:**

No information available on the mixture, however none of the components have been classified for STOT SE (or are below the concentration threshold for classification).

**Specific target organ toxicity-  
Repeat exposure:**

No information available on the mixture, however none of the components have been classified for STOT RE (or are below the concentration threshold for classification).

**Aspiration hazard:**

No information available on the mixture, however none of the components have been classified for Aspiration hazard (or are below the concentration threshold for classification).

**Further information:**

No data available.

**SECTION 12: Ecological information**

**Ecotoxicity:**

**Product data:** No data available

**Ingredient Information:**

Substance	Test Type	Species	Value
Not applicable	LC <sub>50</sub>	Fish	
	LC <sub>50</sub>	Aquatic Invertebrates	
	EC <sub>50</sub>	Algae	

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**Other adverse effects:** No data available.

**SECTION 13: Disposal considerations**

**Disposal instructions:**

This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

See Sections 7 and 8 for information on handling, storage and personal protection and Section 9 for physical/chemical properties.

**SECTION 14: Transport Information**

**US Department of Transportation Classification (49CFR)**

This material is not classified as dangerous under DOT regulations.

**IMDG**

This material is not classified as dangerous under IMDG regulations.

**IATA (Country variations may apply)**

This material is not classified as dangerous under IATA regulations

**Environmental hazards**

Marine pollutant: No.

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)**

No further relevant information available.

**Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.**

None.

## SECTION 15: Regulatory Information

### Safety, health and environmental regulations specific for the product.

#### USA:

**United States Federal Regulations:** This SDS complies with the OSHA, 29 CFR 1910.1200. The product is not hazardous under OSHA.

**Toxic Substances Control Act (TSCA)** – All substances in this product are listed, as required or are exempt from the TSCA inventory.

#### **SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:**

Section 302 – No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### **CERCLA Hazardous Substance List, 40 CFR 302.4:**

None listed.

#### **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None listed.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):** None listed.

#### **SARA Title III**

**Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):** None listed.

#### **Section 311/312 (40 CFR 370):**

**Acute Health Hazard:** No

**Chronic Health Hazard:** No

**Fire Hazard:** No

**Pressure Hazard:** No

**Reactivity Hazard:** No

#### **Section 313 Toxic Release Inventory (40 CFR 372):**

This product contains the following materials that are subject to the reporting requirements of Section 313 of EPCRA: None

#### STATE REGULATIONS:

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

**California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986):** No components are listed on Prop 65 as a carcinogen.



**Massachusetts Right to Know:** No components are listed on the Massachusetts Right to Know List.

**New Jersey Right to Know:** No components are listed on the New Jersey Right to Know list.

**Pennsylvania Right to Know:** No components are listed on the Pennsylvania Right to Know List.

**Canada WHMIS Hazard Class:** Not applicable.

**SECTION 16: Other information, including date of preparation or last revision.**

Revision Date: June 18, 2018

To the best of our knowledge, the information contained herein is accurate. However IDEAL INDUSTRIES INC. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.



Revision date: Initial version  
Date of issue: 8-2-18

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<b>Trade name:</b>	<b>YELLOW 77<sup>®</sup> PRO Wire Pulling Lubricant</b>
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### SECTION 1: Identification

**Product identifier:** YELLOW 77<sup>®</sup> PRO Wire Pulling Lubricant.  
**Synonyms:** None available.  
**Product Code Number:** All "31" Series.  
**SDS number:** ID022  
**Recommended use:** Wire Pulling Lubricant.  
**Recommended restrictions:** None known.

**Manufacturer/Importer/Supplier/Distributor information:**

**Company Name:** IDEAL INDUSTRIES, INC.  
**Company Address:** Becker Place,  
Sycamore, IL 60178  
**Company Telephone:** Office hours (Mon – Fri)  
7AM - 5 PM (CDT)  
(815)895-5181  
**Company Contact Name:** Darryl Docter.  
**Company Contact Email:** IDEAL@IDEALINDUSTRIES.COM  
**Emergency phone number:** 24 HOUR EMERGENCY NUMBER:  
(815)895-5181.

### SECTION 2: Hazard(s) identification

**Classification of the chemical in accordance with paragraph (d) of §1910.1200:**

*Physical hazards*

Not classified as a physical hazard under GHS criteria.

*Health hazards*

Not classified as a health hazard under GHS criteria

*Environmental hazards*

Not classified as an environmental hazard under GHS criteria.

**GHS Signal word:** Not applicable.

**GHS Hazard statement(s):** Not applicable.

**GHS Hazard symbol(s):** Not applicable

**GHS Precautionary statement(s):**

**Prevention:**

No prevention precautionary statements required.

**Response:**

No response precautionary statements required

**Storage:**

No storage precautionary statements required.

**Disposal:**

No disposal precautionary statements required.

**Hazard(s) not otherwise**

**Classified (HNOC):** None known.

**Percentage of ingredient(s) of unknown acute toxicity:**

Not applicable

**SECTION 3: Composition/information on ingredients**

**Mixture:** Water-Wax Emulsion

<b>Chemical name</b>	<b>CAS#</b>	<b>Concentration (weight %)</b>
None of the chemical raw materials contained in this formulation are considered hazardous under the Federal Hazards Communication Standard 29 C. F. R 1910.1200		

**SECTION 4: First-aid Measures**

**Description of necessary measures:**

**Inhalation:** Move to fresh air. Get medical attention if symptoms develop.

**Skin contact:** Wash off with warm water and soap for 15 minutes. Get medical attention if irritation develops or persists.

**Eye contact:** Flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

**Ingestion:** Induce vomiting. Consult physician or local poison control center.

**Most important symptoms/effects, acute and delayed:** None normally expected. Upon prolonged contact, may cause temporary eye discomfort. If material is used in extreme heat (>120° F), prolonged and repeated exposure could pose a risk of pulmonary disease.

**Indication of immediate medical attention and special treatment needed:** If any symptoms are observed, contact a physician and give them this SDS sheet.

#### **SECTION 5: Fire-fighting measures**

**Suitable extinguishing media:** Not flammable by OSHA criteria. Use extinguishing media suitable for surrounding materials.

**Unsuitable extinguishing media:** No data available.

**Specific hazards arising from the chemical:** None expected.

Combustion products - Excessive heat and burning may release oxides of carbon and nitrogen.

**Special protective equipment and precautions for fire-fighters:** Containers should be cooled with water to prevent vapor pressure build up. Cool containers with flooding quantities of water until well after fire is out. Move containers from fire area if you can do so without risk. For fire involving this material, do not enter any enclosed or confined fire space without proper protective equipment. Use self-contained breathing apparatus with full face shield to protect against the hazardous effects of combustion products and oxygen deficiencies.

#### **SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Isolate immediate hazard area and keep unauthorized personnel out. Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

**Methods and material for containment and cleaning up:**

Wipe up, shovel or vacuum spilled material. Clean up spills immediately as they can be dangerously slippery.

#### **SECTION 7: Handling and Storage**

**Precautions for safe handling:** Keep away from children, infants and pets. Avoid contact with skin. Avoid contact with eyes. Wear personal protective equipment. Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8).

**Conditions for safe storage, including any incompatibles:**

Store at temperatures between 40 - 120° F. Avoid freezing.

#### **SECTION 8: Exposure controls/personal protection**

**Control Parameters:**

**Occupational exposure limits:**

<b>US OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): Permissible Exposure Limits</b>		
<b>Substance</b>	<b>PEL-TWA (8 hour)</b>	<b>PEL-STEL (15 min)</b>
Not applicable		

<b>US ACGIH Threshold Limit Values</b>		
<b>Substance</b>	<b>TLV-TWA (8 hour)</b>	<b>TLV-STEL (15 min)</b>
Not applicable		

<b>USA. Workplace Environmental Exposure Levels (WEEL)</b>		
<b>Substance</b>	<b>TWA</b>	<b>STEL</b>
Not applicable		

**Appropriate engineering controls:** General (mechanical) room ventilation is expected to be adequate. Special local ventilation is recommended to keep mists below exposure limits. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** The use of safety glasses or splash goggles are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US).

**Skin and Hand protection:** None normally required. If worn, use neoprene. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Respiratory protection:** No personal respiratory protective equipment normally required.

**Other:** Eye fountain in work area is recommended.

**Thermal hazards:** No data available.

**SECTION 9: Physical and chemical properties**

**Appearance**

- Physical state:** Paste
- Form:** Yellow paste.
- Color:** Yellow.
- Odor:** Slight odor.
- Odor threshold:** No data available

<b>pH:</b>	7.0-8.5.
<b>Melting point/freezing point:</b>	No data available
<b>Initial boiling point and boiling range:</b>	212°F 100°C
<b>Flash point:</b>	None
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	The product is not flammable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%):</b>	Not applicable
<b>Flammability limit – upper (%):</b>	Not applicable
<b>Explosive limit – lower (%):</b>	Not applicable
<b>Explosive limit – upper (%):</b>	Not applicable
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative Density:</b>	0.98
<b>Solubility(ies):</b>	Moderate
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	81000 cps @ 1 rpm 158°F 87500 cps @ 1 rpm 77°F
<b>Other information:</b>	
<b>Percent volatile by volume (%):</b>	< 90%
<b>Percent solid by weight:</b>	~20%

## SECTION 10: Stability and Reactivity

<b>Reactivity:</b>	Not chemically reactive.
<b>Chemical stability:</b>	Stable under normal ambient and anticipated conditions of use.
<b>Possibility of hazardous reactions:</b>	Hazardous reactions not anticipated.
<b>Conditions to avoid:</b>	None expected.
<b>Incompatible materials:</b>	Avoid strong oxidizers.
<b>Hazardous decomposition Products:</b>	Excessive heat and burning may release oxides of carbon and nitrogen.

## SECTION 11: Toxicological information

### Information on likely routes of exposure:

<b>Inhalation:</b>	Not an expected route of entry.
<b>Ingestion:</b>	Not an expected route of entry.
<b>Skin:</b>	Skin contact is a primary route of entry.
<b>Eyes:</b>	Not an expected route of entry.

### Symptoms related to the physical, chemical, and toxicological characteristics:

None normally expected. If material is used in extreme heat (>120° F), prolonged and repeated exposure could pose a risk of pulmonary disease.

**Delayed and immediate effects and chronic effects from short or long-term exposure:**  
Upon prolonged contact, may cause temporary eye discomfort.

**Numerical measures of toxicity:**  
**Ingredient Information:**

Substance	Test Type (species)	Value
Not applicable	LD <sub>50</sub> Oral (Rat)	
	LD <sub>50</sub> Dermal (Rabbit)	
	LC <sub>50</sub> Inhalation (Rat)	

**Product Acute Toxicity Estimates:**

Acute Oral Toxicity – no data available  
Acute Dermal Toxicity - no data available  
Acute Inhalation Toxicity - no data available

**Skin corrosion/irritation:** No information available on the mixture, however none of the components have been classified as skin corrosive/irritant (or are below the concentration threshold for classification).

**Serious eye damage/eye irritation:** No information available on the mixture, however none of the components have been classified as causing eye damage/eye irritation (or are below the concentration threshold for classification).

**Respiratory sensitization:** No information available on the mixture, however none of the components have been classified as a respiratory sensitizer (or are below the concentration threshold for classification).

**Skin sensitization:** No information available on the mixture, however none of the components have been classified as a skin sensitizer (or are below the concentration threshold for classification).

**Germ cell mutagenicity:** No information available on the mixture, however none of the components have been classified for germ cell mutagenicity (or are below the concentration threshold for classification).

**Carcinogenicity:** No information available on the mixture, however none of the components are listed in the National

Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA.

**Reproductive toxicity:**

No information available on the mixture, however none of the components have been classified for reproductive toxicity (or are below the concentration threshold for classification).

**Specific target organ toxicity-  
Single exposure:**

No information available on the mixture, however none of the components have been classified for STOT SE (or are below the concentration threshold for classification).

**Specific target organ toxicity-  
Repeat exposure:**

No information available on the mixture, however none of the components have been classified for STOT RE (or are below the concentration threshold for classification).

**Aspiration hazard:**

No information available on the mixture, however none of the components have been classified for Aspiration hazard (or are below the concentration threshold for classification).

**Further information:**

No data available.

**SECTION 12: Ecological information**

**Ecotoxicity:**

**Product data:** No data available

**Ingredient Information:**

Substance	Test Type	Species	Value
Not applicable	LC <sub>50</sub>	Fish	
	LC <sub>50</sub>	Aquatic Invertebrates	
	EC <sub>50</sub>	Algae	

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.



**Mobility in Soil:** No data available.  
**Other adverse effects:** No data available.

### **SECTION 13: Disposal considerations**

**Disposal instructions:**

This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

See Sections 7 and 8 for information on handling, storage and personal protection and Section 9 for physical/chemical properties.

### **SECTION 14: Transport Information**

**US Department of Transportation Classification (49CFR)**

This material is not classified as dangerous under DOT regulations.

**IMDG**

This material is not classified as dangerous under IMDG regulations.

**IATA (Country variations may apply)**

This material is not classified as dangerous under IATA regulations

**Environmental hazards**

Marine pollutant: No.

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)**

No further relevant information available.

**Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.**

None.

### **SECTION 15: Regulatory Information**

**Safety, health and environmental regulations specific for the product.**

**USA:**

**United States Federal Regulations:** This SDS complies with the OSHA, 29 CFR 1910.1200. The product is not hazardous under OSHA.

**Toxic Substances Control Act (TSCA)** – All substances in this product are exempt from the TSCA inventory.

**SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:**

Section 302 – No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**CERCLA Hazardous Substance List, 40 CFR 302.4:**

None listed.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None listed.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):** None listed.

**SARA Title III**

**Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):** None listed.

**Section 311/312 (40 CFR 370):**

**Acute Health Hazard:** No

**Chronic Health Hazard:** No

**Fire Hazard:** No

**Pressure Hazard:** No

**Reactivity Hazard:** No

**Section 313 Toxic Release Inventory (40 CFR 372):**

This product contains the following materials that are subject to the reporting requirements of Section 313 of EPCRA: None

**STATE REGULATIONS:**

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

**California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986):** No components are listed on Prop 65 as a carcinogen.

**Massachusetts Right to Know:** No components are listed on the Massachusetts Right to Know List.

**New Jersey Right to Know:** No components are listed on the New Jersey Right to Know list.

**Pennsylvania Right to Know:** No components are listed on the Pennsylvania Right to Know List.

**Canada WHMIS Hazard Class:** Not applicable.

**SECTION 16: Other information, including date of preparation or last revision.**

Revision Date: May 12, 2015

To the best of our knowledge, the information contained herein is accurate. However IDEAL INDUSTRIES INC. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.



Revision date: Initial version  
Date of issue: 04.24.2015

Page: 1/10

<b>Trade name:</b>	<b>Aqua Gel<sup>®</sup> IIP Pourable Wire Pulling Lubricant</b>
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**SECTION 1: Identification**

**Product identifier:** Aqua Gel<sup>®</sup> IIP Pourable Wire Pulling Lubricant.  
**Synonyms:** None available.  
**Product Code Number:** 31-421, 31-425, 31-435.  
**SDS number:** ID002  
**Recommended use:** Wire Pulling Lubricant.  
**Recommended restrictions:** None known.

**Manufacturer/Importer/Supplier/Distributor information:**

**Company Name:** IDEAL INDUSTRIES, INC.  
**Company Address:** Becker Place,  
Sycamore, IL 60178  
**Company Telephone:** Office hours (Mon – Fri)  
7AM - 5 PM (CDT)  
(815)895-5181  
**Company Contact Name:** Darryl Docter.  
**Company Contact Email:** IDEAL@IDEALINDUSTRIES.COM  
**Emergency phone number:** 24 HOUR EMERGENCY NUMBER:  
(815)895-5181.

**SECTION 2: Hazard(s) identification**

**Classification of the chemical in accordance with paragraph (d) of §1910.1200:**

***Physical hazards***

Not classified as a physical hazard under GHS criteria

***Health hazards***

Skin corrosion/irritation, Category 2.  
Serious eye damage/eye irritation, Category 2.

***Environmental hazards***

Not classified as a physical hazard under GHS criteria.

**GHS Signal word:** **WARNING.**

**GHS Hazard statement(s):** Causes skin irritation.  
Causes serious eye irritation.

**GHS Hazard symbol(s):**



**GHS Precautionary statement(s):**

- Prevention:** P264 - Wash skin thoroughly after handling.  
P280 - Wear protective gloves/eye protection/face protection.
- Response:** P302+P352 – If on skin: Wash with plenty of soap and water.  
P305 + P351 + P338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/ attention.  
P362 - Take off contaminated clothing and wash before reuse.
- Storage:** No storage precautionary statements.
- Disposal:** No disposal precautionary statements.

**Hazard(s) not otherwise Classified (HNOC):** None known.

**Percentage of ingredient(s) of unknown acute toxicity:**  
Not applicable.

**SECTION 3: Composition/information on ingredients**

**Mixture:**

Chemical name	CAS#	Concentration (weight %)
Potassium Hydroxide (20% solution)	1310-58-3	< 2%

Note: The balance of the ingredients are not classified as hazardous or below the threshold concentration, under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

#### SECTION 4: First-aid Measures

**Description of necessary measures:**

**Inhalation:** Obtain medical attention if there are signs of breathing difficulties.

**Skin contact:** Wash with plenty of soap and water. Remove contaminated clothing and thoroughly clean before reuse.

**Eye contact:** Flush eyes with water for at least 15 minutes, occasionally lifting eyelids. If pain or redness persists after flushing, obtain medical attention.

**Ingestion:** Do not induce vomiting. Consult physician or local poison control center.

**Most important symptoms/effects, acute and delayed:** Causes skin irritation. Causes serious eye irritation.

**Indication of immediate medical attention and special treatment needed:** If any symptoms are observed, contact a physician and give them this SDS sheet. If exposed or concerned: Get medical advice/attention.

#### SECTION 5: Fire-fighting measures

**Suitable extinguishing media:** Not flammable. Use extinguishing media suitable for surrounding materials.

**Unsuitable extinguishing media:** No data available.

**Specific hazards arising from the chemical:** Extreme temperatures of combustion or burning and contact with nitrites could result in the formation of nitrosamines which are potential carcinogens.

Combustion products - Carbon monoxide, Carbon dioxide. Nitrogen based products.

**Special protective equipment and precautions for fire-fighters:** For fire involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of combustion products and oxygen deficiencies.

#### SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Stay upwind and away from spill/release. For large spillages, notify persons downwind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

**Methods and material for containment and cleaning up:**

Persons not wearing protective equipment should be excluded from area of spill until cleanup has been completed. Stop spill at source, wipe up, shovel or vacuum spilled material. Clean up spills immediately as they can be dangerously slippery. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required.

**SECTION 7: Handling and Storage**

**Precautions for safe handling:** Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8).

**Conditions for safe storage, including any incompatibles:** Store at temperatures between 40 - 180°F. Avoid freezing. Keep away from children, infants and pets. Keep container(s) tightly closed and properly labeled. Store only in approved containers. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage.

"Empty" containers retain residue and may be dangerous. "Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

**SECTION 8: Exposure controls/personal protection**

**Control Parameters:**

**Occupational exposure limits:**

<b>US OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): Permissible Exposure Limits</b>		
<b>Substance</b>	<b>PEL-TWA (8 hour)</b>	<b>PEL-STEL (15 min)</b>
Potassium Hydroxide	No data available	No data available

<b>US ACGIH Threshold Limit Values</b>		
<b>Substance</b>	<b>TLV-TWA (8 hour)</b>	<b>TLV-STEL (15 min)</b>
Potassium Hydroxide	2 mg/m <sup>3</sup> Ceiling	No data available

<b>NIOSH Exposure Limits</b>		
<b>Substance</b>	<b>TWA</b>	<b>STEL</b>
Potassium Hydroxide	2 mg/m <sup>3</sup> Ceiling	No data available

**Appropriate engineering controls:** General (mechanical) room ventilation is expected to be adequate. Special local ventilation is suggested at points where vapors can be expected to escape to the workplace air or in enclosed areas.

**Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** None normally required, but the use of OSHA compliant safety glasses or splash goggles recommended.

**Skin and Hand protection:** None normally needed -Neoprene if necessary. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Respiratory protection:** None normally required.

**Other:** Eye wash / eye bath in the work area is recommended but not necessary.

**Thermal hazards:** No data available.

**SECTION 9: Physical and chemical properties**

**Appearance**

<b>Physical state:</b>	Liquid
<b>Form:</b>	Clear pourable gel.
<b>Color:</b>	Blue.
<b>Odor:</b>	Mild odor.
<b>Odor threshold:</b>	No data available
<b>pH:</b>	6.4 – 8.0 @ 150°F 6.5 – 8.0 @ 77°F
<b>Melting point/freezing point:</b>	No data available
<b>Initial boiling point and boiling range:</b>	100°C (212°F)
<b>Flash point:</b>	None
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	Not applicable
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%):</b>	No data available
<b>Flammability limit – upper (%):</b>	No data available
<b>Explosive limit – lower (%):</b>	No data available
<b>Explosive limit – upper (%):</b>	No data available
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative Density:</b>	0.9930-1.0330
<b>Solubility(ies):</b>	Infinite.
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	4000 - 6000 cps @ 5 rpm 150°F 7500 – 14000 cps @ 5 rpm 212°F

**Other information:**



**% Volatile by volume:** ~ 90%  
**Percent solids by weight:** ~ 10%

**SECTION 10: Stability and Reactivity**

**Reactivity:** Not chemically reactive.  
**Chemical stability:** Stable under normal ambient and anticipated conditions of use.  
**Possibility of hazardous reactions:** Hazardous reactions not anticipated.  
**Conditions to avoid:** Avoid prolonged storage at temperatures exceeding 190°F.  
Extreme temperatures of combustion or burning and contact with nitrites could result in the formation of nitrosamines which are potential carcinogens. This condition is unlikely to occur.  
**Incompatible materials:** Avoid contact with strong oxidizers and nitrites.  
**Hazardous decomposition Products:** In the unlikely event of combustion of dried residue, oxides and nitrogen may be released.

**SECTION 11: Toxicological information**

**Information on likely routes of exposure:**

**Inhalation:** Not an expected route of entry.  
**Ingestion:** Not an expected route of entry.  
**Skin:** May produce skin irritation.  
**Eyes:** Not an expected route of entry.

**Symptoms related to the physical, chemical, and toxicological characteristics:**  
Upon prolonged contact, may cause temporary eye discomfort.

**Delayed and immediate effects and chronic effects from short or long-term exposure:**  
Detailed below.

**Numerical measures of toxicity:**

**Ingredient Information:**

Substance	Test Type (species)	Value
Potassium hydroxide	LD <sub>50</sub> Oral (Rat)	273 mg/kg
	LD <sub>50</sub> Dermal (Rabbit)	No data available
	LC <sub>50</sub> Inhalation (Rat)	No data available

**Product Acute Toxicity Estimates:**

Acute Oral Toxicity – no data available  
Acute Dermal Toxicity - no data available  
Acute Inhalation Toxicity - no data available

<b>Skin corrosion/irritation:</b>	This material may cause skin irritation.
<b>Serious eye damage/eye irritation:</b>	Upon prolonged contact, may cause temporary eye discomfort.
<b>Respiratory sensitization:</b>	No information available on the mixture, however none of the components have been classified as a respiratory sensitizer (or are below the concentration threshold for classification).
<b>Skin sensitization:</b>	No information available on the mixture, however none of the components have been classified as a skin sensitizer (or are below the concentration threshold for classification).
<b>Germ cell mutagenicity:</b>	No information available on the mixture, however none of the components have been classified for germ cell mutagenicity (or are below the concentration threshold for classification).
<b>Carcinogenicity:</b>	No information available on the mixture, however none of the components are listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA.
<b>Reproductive toxicity:</b>	No information available on the mixture, however none of the components have been classified for reproductive toxicity (or are below the concentration threshold for classification).
<b>Specific target organ toxicity- Single exposure:</b>	No information available on the mixture, however none of the components have been classified for STOT SE (or are below the concentration threshold for classification).
<b>Specific target organ toxicity- Repeat exposure:</b>	No information available on the mixture, however none of the components have been classified for STOT RE (or are below the concentration threshold for classification).
<b>Aspiration hazard:</b>	No information available on the mixture, however none of the components have been classified for

aspiration hazard (or are below the concentration threshold for classification).

**Further information:** No data available.

**SECTION 12: Ecological information**

**Ecotoxicity:**

**Product data:** No data available

**Ingredient Information:**

Substance	Test Type	Species	Value
Potassium hydroxide	LC <sub>50</sub>	Fish - Gambusia affinis (Mosquito fish)	85 mg/l (24h)
	LC <sub>50</sub>	Aquatic crustacea	No data available
	EC <sub>50</sub>	Algae	No data available

**Persistence and Degradability:** No data available

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**Other adverse effects:** No data available.

**SECTION 13: Disposal considerations**

**Disposal instructions:**

The generator of a waste is always responsible for making proper hazardous waste determinations and needs to consider state and local requirements in addition to federal regulations.

See Sections 7 and 8 for information on handling, storage and personal protection and Section 9 for physical/chemical properties. It is possible that the material as produced contains constituents which are not required to be listed in the SDS but could affect the hazardous waste determination. Additionally, use which results in chemical or physical change of this material could subject it to regulation as a hazardous waste.

**SECTION 14: Transport Information**

**DOT:** This material is not classified as dangerous under DOT regulations.

**IATA:** This material is not classified as dangerous under IATA regulations.

**IMDG:** This material is not classified as dangerous under IMDG regulations.

**SECTION 15: Regulatory Information**

**Safety, health and environmental regulations specific for the product.**

**USA:**

**United States Federal Regulations:** This SDS complies with the OSHA, 29 CFR 1910.1200. The product is hazardous under OSHA.

**Toxic Substances Control Act (TSCA) –** All substances in this product are listed, as required, on the TSCA inventory.

**SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:**

Section 302 – No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**CERCLA Hazardous Substance List, 40 CFR 302.4:**

<b>Component</b>	<b>Reportable Quantity</b>
Potassium Hydroxide	1000 lbs

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**  
None listed.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):** None listed.

**SARA Title III**

**Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):** None listed.

**Section 311/312 (40 CFR 370):**

- Acute Health Hazard:** Yes
- Chronic Health Hazard:** No
- Fire Hazard:** No
- Pressure Hazard:** No
- Reactivity Hazard:** No

**Section 313 Toxic Release Inventory (40 CFR 372):**  
None

**STATE REGULATIONS:**

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

**California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986):** No components are listed on Prop 65.

**Massachusetts Right to Know:** Potassium hydroxide is listed on the Massachusetts Right to Know List.

**Minnesota Hazardous Substance List:** None of the components are listed on the Minnesota Hazardous Substance List.

**New Jersey Right to Know:** Potassium hydroxide is listed on the New Jersey Right to Know list.

**Pennsylvania Right to Know:** Potassium hydroxide is listed on the Pennsylvania Right to Know List.

**Canada WHMIS Hazard Class:** D2B - Toxic Material

**SECTION 16: Other information, including date of preparation or last revision.**

Revision Date: April 24, 2015

To the best of our knowledge, the information contained herein is accurate. However IDEAL INDUSTRIES INC. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

4A801A, 4A802A

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072



= 25067 =

IDENTITY (As Used on Label and List) Soap Based - Wire Pulling Lubricant

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Table with 2 columns: Manufacturer's Name (Benz Oil Company), Address (2724 W. Hampton Avenue, Milwaukee, WI 53209), Emergency Telephone Number ((414) 442-2900), Telephone Number for Information ((414) 442-2900), Date Prepared (April 22, 1988), Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Table with 5 columns: Hazardous Components (Specific Chemical Identity; Common Name(s)), OSHA PEL, ACGIH TLV, Other Limits Recommended, % (optional). Content: None

Section III - Physical/Chemical Characteristics

Table with 4 columns: Property, Value, Property, Value. Rows: Boiling Point (200°F), Specific Gravity (0.98), Vapor Pressure (N/A), Melting Point (190°F), Vapor Density (N/A), Evaporation Rate (N/A), Solubility in Water (Soluble), Appearance and Odor (Yellow Creme - Slight Odor)

Section IV - Fire and Explosion Hazard Data

Table with 4 columns: Property, Value, Property, Value. Rows: Flash Point (Water Based Product), Flammable Limits (N/A), LEL (N/A), UEL (N/A), Extinguishing Media (Use water for Product. "As Is"), Special Fire Fighting Procedures (Use CO2 for Product Residue - If water has Evaporated), Unusual Fire and Explosion Hazards (None)

**Section V — Reactivity Data**

Stability	Unstable		Conditions to Avoid Avoid Strong Acids, Strong Oxidizing Agents
	Stable	X	

**Incompatibility (Materials to Avoid)**

Strong Acids, Strong Oxidizing Agents

**Hazardous Decomposition or Byproducts**

Carbon Monoxide and/or Carbon Dioxide - Oxides of Nitrogen

Hazardous Polymerization	May Occur		Conditions to Avoid N/A
	Will Not Occur	X	

**Section VI — Health Hazard Data**

Route(s) of Entry:                      Inhalation?                      Skin?                      Ingestion?  
 If irritated - Wash with water                      If irritated - Wash with water                      Drink copious amounts of Water.

**Health Hazards (Acute and Chronic)**

Sensitive skin itch or become irritated - Wash  
 Contact areas Thoroughly with Water

Carcinogenicity:                      NTP?                      IARC Monographs?                      OSHA Regulated?  
 None Known

**Signs and Symptoms of Exposure**

itching or irritation of eyes or skin - Flush Thoroughly with Water

**Medical Conditions**

Generally Aggravated by Exposure

Sensitive skin - Flush Thoroughly with Water

**Emergency and First Aid Procedures**

Skin contact - Flush with Water, Wash with Soap

Eyes - Flush with Water Thoroughly; Contact Physician; Ingestion-Drink Copious

amounts of Water

**Section VII — Precautions for Safe Handling and Use****Steps to Be Taken in Case Material is Released or Spilled**

Soak up with Absorbent, Flush Area with Water

**Waste Disposal Method**

In Accordance with Appropriate Local, State and Federal Regulations.

**Precautions to Be Taken in Handling and Storing**

Protect from Freezing - Clean any Spills or Leaks Immediately

**Other Precautions**

Clean any Spills or Leaks Immediately

**Section VIII — Control Measures****Respiratory Protection (Specify Type)**

None

Ventilation	Local Exhaust General Room Ventilation	Special	N/A
	Mechanical (General) N/A	Other	N/A

Protective Gloves                      Plastic or Rubber                      Eye Protection                      Safety Goggles

**Other Protective Clothing or Equipment**

Absorbent cloth, paper or powder to Clean Spills

**Work/Hygienic Practices**

clean any Leaks or Spills Immediately