**Revision Date:** September 21, 2020
**Revision Number:** 7 supersedes 6

# SAFETY DATA SHEET

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

### 1.1 Product identifier

**Product Name:**
**Wire Pulling Foam Lubricant**

**Product ID numbers:** KLEIN-51100

### 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:**

### 1.4 Emergency telephone numbers

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

**Classification according to USA OSHA 29 CFR 1910.1200 (2012) and Canada HPR (SOR/2015-17; WHMIS 2015).**

Flam Aerosol 2 H223

### 2.2 Label elements

This product is intended for consumer use and is labeled according to CPSC guidelines and not to GHS guidelines listed below. It is safe for consumers and other users under normal and reasonably foreseeable use. The SDS contains valuable information for industrial workplace conditions.

**Contains:** Propane, Isobutane

**Pictograms:**

**Signal word:** Warning

**Hazard Statements:**

H223 Flammable aerosol. Pressurized container: May burst if heated.

**Precautionary Statements:**

P210 Keep away from heat and open flame. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

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

## 3. Composition/Information on Ingredients

| Component | CAS # | EC # | Wt. % |
|---|---|---|---|
| Propane | 74-98-6 | 200-827-9 | < 10 |
| Isobutane | 75-28-5 | 200-857-2 | < 8 |

This product contains no other 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):** If irritation of nose or throat develops, move to fresh air and ventilate area.

**Ingestion (Swallowing):** Do not induce vomiting or give anything by mouth. Seek medical attention.

### 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:

Carbon Dioxide, Dry Chemical, Foam or Water.

### 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

Do not expose container to direct sunlight or temperatures above 120°F. Do not transport or store near heat sources. Keep cans dry and away from sources of ignition. 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:**

| Chemical Component | OSHA PEL | ACGIH TLV |
|---|---|---|
| Propane | 1000 ppm | 1000 ppm |
| Isobutane | Not Determined | 1000 ppm |

### 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

| | |
|---|---|
| **Appearance:** | Slightly thickened, white foam. |
| **Odor threshold:** | Not available |
| **pH:** | Lubricant 7.5 to 9.0 |
| **Freezing point:** | Not available |
| **Boiling point:** | Lubricant ~ 212°F (100°C) |
| **Flash point:** | - 100°F (74°C) estimated for propellant mixture |
| **Evaporation rate:** | Not available |
| **Flammability (solid, gas):** | Not available |
| **Upper/lower flammability or explosive limits:** | Not available |
| **Vapor pressure:** | Not available |
| **Vapor density (Air = 1):** | >1 |
| **Specific gravity ($H_2O$ = 1):** | Lubricant 1.0 |
| **Solubility in water:** | Dilutes |
| **Partition coefficient: n-octanol/water:** | Not available |
| **Auto-ignition temperature:** | Not available |
| **Decomposition temperature:** | Not available |

### 9.2 Other Information

## 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, $LD_{50}$ (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

| | |
|---|---|
| **US DOT Domestic Ground Transportation** | Consumer Commodity, ORM-D |
| **UN Proper Shipping Name:** | Consumer Commodity |
| **Class:** | Class 9 |
| **Packing Group:** | Not Applicable |

| | |
|---|---|
| **ICAO/IATA-DGR:** | Consumer Commodity, ORM-D-AIR, ID 8000, Class 9 |
| **IMDG:** | UN 1950, AEROSOLS, Flammable, less than 1 liter each, Class 2.1, LTD QTY |

## 15. Regulatory Information

**USA Federal and State**
All chemical substances in this product are listed as "Active" in the US EPA (Environmental Protection Agency) "TSCA Inventory Notification (Active-Inactive) Requirements Rule" ("the Final Rule"). as of Feb. 2019 or are otherwise exempt.

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

| | CERCLA/SARA Sec 302 | | SARA Sec. 313 |
|---|---|---|---|
| **Components** | **Hazardous Substance RQ** | **EHS TPQ** | **Toxic Release** |

Components are not affected by these Superfund regulations.

| | | |
|---|---|---|
| **NFPA Ratings:** | Health: | 1 |
| | Fire: | 2 |
| | 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.

**California Proposition 65**
This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm or has been assessed to be below OEHHA Safe Harbor exposure levels required for labeling.

**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.

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

## 16. Other Information

| | |
|---|---|
| **Revision Date:** | September 21, 2020 |
| **Revision Number:** | 7 |
| **Supersedes:** | October 31, 2018 |
| **Indication of Changes:** | Reviewed, updated Sec 15, updated TSCA statement.<br>Written in accordance with the provisions of OSHA 1910.1200 App D (2012) and Canada HPR (SOR/2015-17) (WHMIS 2015) (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.