

# Safety Data Sheet

## PENLUBE

### Section 1. Product and Company Identification

Product name: **PENLUBE**

Recommended Uses: Lubricant

Company Information: GP Chemicals Specialty Ltd. 65 Beckett Avenue, Holland Landing, ON L9N 1R8

Telephone: (905)731-3622

Website: [www.gpchemicals.ca](http://www.gpchemicals.ca)

Emergency Telephone Number: 1-888-CAN-UTEC (226-8832)

### Section 2. Hazards Identification

Physical hazards: Flammable aerosols Category 1

Health hazards: Aspiration hazard Category 1

Label Elements



Signal Word: **Danger**

Hazard Statement: **Extremely flammable aerosol. May be fatal if swallowed and enters airways.**

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## Precautionary Statement

Prevention:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.
Response:	If SWALLOWED: Immediately seek medical assistance. Do NOT induce vomiting.
Storage:	Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Other Hazards:	None known
Supplemental Information:	None

## **Section 3. Composition/Information on Ingredients**

### **Mixtures:**

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Naphta (Petroleum), Hydrotreated Heavy	64742-48-9	40 – 70
Propane	74-98-6	10 - 30
Isobutane	75-28-5	5 - 10
Distillates (petroleum), Hydrotreated Heavy Naphthenic	64742-52-5	1 – 5
Other components below reportable levels		15 - 40

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## **Section 4. First Aid Measures**

Eye Contact:	Rinse with water. Get medical attention if symptoms develop or persist.
Skin Contact:	Wash off with soap and water. Get medical attention if irritation develops and persists.
Ingestion:	Rinse with water. Get medical attention is irritation develops or persists.
Inhalation:	If symptoms develop move victim to fresh air. Call a physician if symptoms persist.

### **Most Important Symptoms/Effects, Acute and Delayed**

Aspiration may cause pulmonary edema and pneumonitis.

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Indication of/Immediate Medical Attention and Special Treatment needed, if necessary:

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General Information: Ensure that medical personnel are aware of the materials involved, and take precautions to protect themselves.

### *Section 5. Fire-Fighting Measures*

Suitable Extinguishing Media:	Alcohol resistant foam. Powder. Carbon Dioxide (CO2)
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards arising from the chemical:	Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.
Fire-Fighter Special Protective Equipment:	Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Fire Fighter Special Precautions:	In case of fire: Stop leak is safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles. If possible. If not, withdraw and let fire burn out.
Specific methods:	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In event of fire and/or explosion do not breathe fumes.
General fire hazards:	Extremely flammable aerosol

### *Section 6. Accidental Release Measures*

#### Personal Precautions, Protective Equipment and Emergency Procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see Section 8 of the SDS.

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### Methods and Materials for Containment and Cleaning Up

Refer to attached safety sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed.

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustible (wood, paper, oil etc.) away from spilled material. For waste disposal see section 13 of the SDS.

### Environmental Precautions

Avoid discharge into drains, water courses or onto the ground.

## Section 7. Handling and Storage

### Precautions for Safe Handling

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good hygiene practices.

### Conditions for Safe Storage: Level 3 Aerosol

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122°F. Do not puncture, incinerate or crush. Do not handle near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

## Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits: Canada Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

<b>Components</b>	<b>Type</b>	<b>Value</b>
Isobutane (CAS 75-28-5)	STEL	800 ppm

Biological limit values: No biological exposure limits notes for the ingredients.

Appropriate engineering controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin Protection: Wear appropriate chemical resistant gloves.

Other: Wear suitable protective clothing. Use of an impervious apron is recommended

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Respiratory Protection:	If permissible levels are exceeded use NIOSH mechanical filter/organic vapour cartridge or an air-supplied respirator.
Thermal hazards:	Wear appropriated thermal protective clothing, when necessary.
General Hygienic Measures:	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### Section 9. Physical and Chemical Properties

#### Appearance:

Physical State:	Gas
Form:	Aerosol.
Colour:	Not Available
Odour:	Not available
Odour Threshold:	Not available
pH:	Not available
Melting Point/Freezing Point:	Not available
Initial Boiling Point/Boiling Range:	Not available
Flash Point (Closed Cup):	-156.0°F (-104.4°C) Propellant estimated
Evaporation Rate:	Not available
Flammability (Solid, Gas):	Not available
Flammability limit – lower(%):	1.3% estimated
Flammability limit – upper (%):	9.3% estimated
Explosive limit- lower (%)	Not available
Explosive limit – upper (%)	Not available
Vapour Pressure:	85 psig@70 F estimated
Vapour Density (Air = 1):	Not available
Relative Density:	0.528 estimated
Solubility in Water (% w/w):	Not available
Partition Coefficient:	Not available
Auto-Ignition Temperature:	691-45°F (366.36°C) estimated
Decomposition Temperature:	Not available
Viscosity	Not available
Explosive properties	Not explosive
Heat of combustion (NFPA 30B)	40.13kJ/g estimated
Oxidizing properties	Not oxidizing

### Section 10. Stability and Reactivity

Reactivity:	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability:	Stable under normal conditions.

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Possibility of Hazardous Reactions: Hazardous polymerization does not occur.

Conditions to Avoid: Keep away from heat, sparks and open flame Contact with incompatible materials

Incompatible Materials: Strong oxidizing agents. Nitrates. Fluorine. Chlorine

Hazardous Decomposition Products: No hazardous decompositions products are known.

### Section 11. Toxicological Information

Information on likely routes of exposure:

Inhalation: No adverse effects due to inhalation are expected.  
Skin Contact: No adverse effects due to skin contact are expected.  
Eye contact: Direct contact with eyes may cause temporary irritation.  
Ingestion: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause serious chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics:

Aspiration may cause pulmonary edema and pneumonitis.

Information on toxicological effects.

Acute toxicity: May be fatal if swallowed and enters airways.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
<i>Distillates, (Petroleum), Hydrotreated Heavy Naphthenic (CAS 64742-52-5)</i>		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	>2000 mg/kg, 24 hours
<b>Inhalation</b>		
LC50	Rat	2.18mg/l, 4 hours
<b>Oral</b>		
LD50	Rat	>2000 mg/kg
Isobutane (CAS 75-26-5)		
<b><u>Acute</u></b>		
<b>Inhalation</b>		
LC50	Mouse	1237 mg/l. 120 minutes 52%, 120 minutes
	Rat	1355 mg/l

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Naphtha (Petroleum), Hydrotreated Heavy (CAS 64742-48-9)

### Acute

#### **Dermal**

LD50 Rabbit >1900 mg/kg, 24 hours

#### **Inhalation**

LC50 Rat >5000 mg/m<sup>3</sup>, 4 hours  
>4980mg/m<sup>3</sup>  
>4980 mg/m<sup>3</sup>, 4 hours  
>4.96 mg/l, 4 hours

#### **Oral**

LD50 Rat 4829 mg/kg

Propane (CAS 74-98-6)

### Acute

#### **Inhalation**

LC50 Mouse 1237 mg/l, 120 minutes  
52%, 120 minutes  
Rat 1355 mg/l  
LC50 Rat 2.18 mg/l, 4 hours

#### **Oral**

LD50 Rat >5000 mg/kg

- Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation

Serious eye damage/eye irritation: Direct contact with eye may cause temporary irritation.

Respiratory or Skin Sensitization:

Respiratory sensitization Not a respiratory sensitizer

Skin sensitization This product is not expected to cause skin sensitization.

Germ Cell Mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Risk of cancer cannot be excluded with prolonged exposure

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity (Single exposure): Not classified.

Specific target organ toxicity (repeated exposure): Not classified.

Aspiration hazard: May be fatal if swallowed and enters airways.

Chronic effects Prolonged exposure may cause chronic effects.

**Section 12. Ecological Information**

Eco toxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability: No data available on the degradability of this product.

Bio accumulative potential

Partition coefficient n-octanol/water (log Kow)

Isobutane 2.76

Propane 2.36

Mobility in soil No data available

Other adverse effects: No other adverse effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**Section 13. Disposal Considerations**

Disposal Instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local Disposal Regulations: Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues/unused Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal instructions).

Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

**Section 14. Transport Information**

Land Transport (TDG)

UN Number: 1950  
 UN proper shipping name AEROSOLS, flammable  
 Transport hazard class(es)  
     Class: 2.1  
     Subsidiary risk -  
 Packing Group Not applicable



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Environmental hazards	D
Special precautions for user:	Read safety instructions, SDS and emergency procedures before handling. This product meets the exemption requirements and may be shipped as a limited quantity.

**Section 15. Regulatory Information**

Canadian Regulations: Not regulated

**Section 16. Other Information**

Prepared By: Regulatory Affairs      Telephone: (905)731-3622      Date: July 20, 2020

To the best of our knowledge, the information provided in this Safety Data Sheet is accurate at the date of publication. However, neither the supplier nor manufacturer, assumes 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 that exist.