

## SAFETY DATA SHEET

SDS: 4059A

# 4059 H1 QUINPLEX® PENETRATING OIL & LUBRICANT

Issuing Date 04-12-2012

Revision Date 05-11-2020

Revision Number 3.2

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product Identifier**

**Product Name** 4059 H1 QUINPLEX® PENETRATING OIL & LUBRICANT

**Other means of identification**

**UN-No** 1950

**Synonyms** No information available

**Recommended use of the chemical and restrictions on use**

**Identified uses** Lubricant

**Uses advised against** Consumer use

**Details of the supplier of the safety data sheet**

**Manufacturer**

Lubrication Engineers Inc.  
1919 E. Tulsa  
Wichita, KS 67216  
USA  
800-537-7683

**Emergency Telephone Number**

CHEMTREC: 1-800-424-9300 (NORTH AMERICA)  
+1-703-527-3887 (INTERNATIONAL)

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## 2. HAZARDS IDENTIFICATION

### Classification

### OSHA Regulatory Status

Aspiration toxicity	Category 1
Flammable Aerosols	Category 1
Gases Under Pressure	Compressed Gas

### Label Elements

#### Emergency Overview

**Signal Word**  
DANGER

#### Hazard Statements

May be fatal if swallowed and enters airways  
Extremely flammable aerosol  
Pressurized container: may burst if heated  
Contains gas under pressure; may explode if heated



The product contains no substances which at their given concentration, are considered to be hazardous to health

**appearance** clear

**Physical state** Aerosol

**Odor** Hydrocarbon-like

### Precautionary Statements - Prevention

Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wear protective gloves/protective clothing/eye protection/face protection.

### Response

Call a POISON CENTER or doctor/physician if you feel unwell.

#### Eyes

None.

#### Skin

None.

#### Inhalation

None.

#### Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

#### Fire

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction. Explosion risk in case of fire. Eliminate all ignition sources if safe to do so.

#### Spill

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None.

**Storage**

Store locked up. Protect from sunlight. Store in a well-ventilated place. Store in a well-ventilated place. Keep cool. Do not expose to temperatures exceeding 122 °F (50 °C).

**Disposal**

Dispose of contents/container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC)**

None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

The producer of "4059" declares that it contains less than 3% DMSO extractable material by IP-346

## 4. FIRST AID MEASURES

**First Aid Measures**

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.
<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors.
<b>Ingestion</b>	Drink plenty of water. Do NOT induce vomiting.

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

**Symptoms** None known.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Flash Point** -96.4 °C / -141.52 °F

**Suitable Extinguishing Media** Cool containers / tanks with water spray

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire.

**Specific Hazards Arising from the Chemical** Thermal decomposition can lead to release of irritating gases and vapors.

**Explosion Data**

**Sensitivity to Mechanical Impact** Not impact sensitive.

**Sensitivity to Static Discharge** May be ignited by friction, heat, sparks or flames.

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## Protective Equipment and Precautions for Firefighters

In the event of fire and/or explosion do not breathe fumes.

NFPA

Health hazard 2

Flammability 3

Stability 0

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

#### Personal Precautions

Avoid contact with eyes. Avoid breathing vapors or mists. Remove all sources of ignition. Heat, flames and sparks. .

### Environmental Precautions

#### Environmental Precautions

Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Do not apply directly to water. A vapor suppressing foam may be used to reduce vapors. Refer to protective measures listed in Sections 7 and 8. Do not allow material to contaminate ground water system. Environmental Precautions.

### Methods and material for containment and cleaning up

#### Methods for Containment

Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

#### Methods for Cleaning up

Use personal protective equipment. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### Advice on safe handling

Keep away from open flames, hot surfaces and sources of ignition. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Contact with other chemicals. .

### Conditions for safe storage, including any incompatibilities

#### Technical measures/Storage conditions

Keep tightly closed in a dry and cool place. Keep in properly labeled containers.

#### Incompatible products.

Strong oxidizing agents. Strong acids. Strong bases.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
White Mineral Oil 8042-47-5	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> (vacated) TWA: 5 mg/m <sup>3</sup>	IDLH: 2500 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>
Ethanol 64-17-5	STEL 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>

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## Appropriate engineering controls

**Engineering Measures**                      Showers  
    Eyewash stations  
    Ventilation systems.

## Individual protection measures, such as personal protective equipment

<b>Eye/Face Protection</b>	Tightly fitting safety goggles.
<b>Skin and Body Protection</b>	Long sleeved clothing. Protective gloves.
<b>Respiratory Protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>Hygiene Measures</b>	When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	Aerosol
<b>appearance</b>	clear
<b>Odor</b>	Hydrocarbon-like
<b>Odor threshold</b>	No information available
 <b><u>Property</u></b>	 <b><u>Property</u></b>
<b>pH</b>	6 - 8
<b>Melting Point / Freezing Point</b>	No data available
<b>Boiling Point/Range</b>	no data available
<b>Flash Point</b>	-96.4 °C / -141.52 °F
<b>Upper flammability limit:</b>	No data available
<b>Lower Flammability Limit</b>	No data available
<b>Vapor pressure</b>	No data available
<b>Vapor Density</b>	< 1 ( Air = 1 )
<b>Specific Gravity</b>	0.84
<b>Water solubility</b>	negligible
<b>Partition Coefficient: n-octanol/water</b>	no data available
<b>Autoignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Viscosity, kinematic</b>	not applicable

## 10. STABILITY AND REACTIVITY

**reactivity**                                      No information available

**Chemical stability**                              Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**      None under normal processing.

**Conditions to Avoid**                              Heat, flames and sparks.

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**Incompatible Materials** Strong oxidizing agents. Strong acids. Strong bases.

**Hazardous Decomposition Products** Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke)

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information
<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye Contact</b>	Contact with eyes may cause irritation.
<b>Skin Contact</b>	May cause irritation.
<b>Ingestion</b>	There is no data available for this product.

**Component Information** No information available

### Information on toxicological effects

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

The producer of "4059" declares that it contains less than 3% DMSO extractable material by IP-346

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**Target Organ Effects** Central Vascular System (CVS), Respiratory system, Eyes, Skin.

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

<b>ATEmix (oral)</b>	2921 mg/kg
<b>ATEmix (dermal)</b>	447 mg/kg
<b>ATEmix (inhalation-gas)</b>	99855 mg/l

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Persistence and Degradability** No information available.

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**Bioaccumulation** No information available.

**Mobility** The product is insoluble and floats on water.

Chemical name	Log Pow
White Mineral Oil 8042-47-5	>6
Petroleum gases, liquified, sweetened 68476-86-8	<=2.8
Benzaldehyde 100-52-7	1.48
benzoic acid 65-85-0	1.9

**Other Adverse Effects** No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Waste Disposal Methods** Dispose of in accordance with local regulations.

**Contaminated Packaging** Do not re-use empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**US EPA Waste Number** D001

This product contains one or more substances that are listed with the State of California as a hazardous waste

Chemical name	California Hazardous Waste Status
Ethanol 64-17-5	Toxic Ignitable

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## 14. TRANSPORT INFORMATION

### DOT

UN-No	1950
Proper Shipping Name	Aerosol
Hazard Class	2.1
Special Provisions	49 CFR 173.115
Description	Compressed Gas.
Emergency Response Guide Number	126

### IMDG

UN-No	1950
Proper Shipping Name	Aerosol
Hazard Class	2
Subsidiary Class	2.1
Special Provisions	SP63
Description	Limited quantity (LQ)

### ADR/RID

UN-No	1950
Hazard Class	2.1

## 15. REGULATORY INFORMATION

### International Inventories

TSCA	Complies
DSL/NDSL	Complies
NDSL	Complies
EINECS	Not determined
ELINCS	Not determined
ENCS	Not determined
IECSC	Complies
KECL	Not determined
PICCS	Complies
AICS	Not determined

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

### U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any



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chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

## SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

## Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
benzoic acid 65-85-0	5000 lb			X

## CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
benzoic acid 65-85-0	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

## U.S. State Regulations

### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

## NFPA

Health hazard 2

Flammability 3

Stability 0

## 16. OTHER INFORMATION

Issuing Date 04-12-2012  
 Revision Date 05-11-2020  
 Reason for revision General Information.

### Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

SDS is available at [www.LElubricants.com](http://www.LElubricants.com)

**End of Safety Data Sheet**