SAFETY DATA SHEET

1. Identification

Product identifier: Mighty MP Penetrating Lubricant

Other means of identification
SDS number: RE1000043724

Recommended restrictions
Product use: Lubricant
Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information

Manufacturer

Company Name:	SIGNAL FLUID SOLUTIONS, INC.
Address:	3403 NIKI WAY RIVERSIDE, CA 92507
Telephone:	951-784-3900
Fax:	

Emergency telephone number: 1-866-836-8855

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Flammable aerosol	Category 1

Health Hazards

Serious Eye Damage/Eye Irritation	Category 2A
Aspiration Hazard	Category 1

Label Elements

Hazard Symbol:

Signal Word: Danger

Hazard Statement:
Extremely flammable aerosol.
Causes serious eye irritation.
May be fatal if swallowed and enters airways.

Precautionary Statements

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. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER/doctor Do NOT induce vomiting.

Storage: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store locked up.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC): None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
White mineral oil (petroleum)	8042-47-5	20 - <50%
Distillates (petroleum), hydrotreated middle	64742-46-7	20 - <50%
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	10 - <20%
Naphtha (petroleum), heavy alkylate	64741-65-7	5 - <10%
Propane	74-98-6	5 - <10%
Butane	106-97-8	5 - <10%
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	1 - <5%

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

4. First-aid measures

Ingestion: Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Inhalation: Move to fresh air.

Skin Contact: Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.

5. Fire-fighting measures

General Fire Hazards: Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: Vapors may travel considerable distance to a source of ignition and flash back.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.

Methods and material for containment and cleaning up: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

Notification Procedures: Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk.

Environmental Precautions: Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

7. Handling and storage

Precautions for safe handling: Avoid contact with eyes. Wash hands thoroughly after handling. 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.

Conditions for safe storage, including any incompatibilities: Store locked up. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Aerosol Level 3

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
White mineral oil (petroleum) - Mist.	REL	5 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	STEL	10 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
	TWA	5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
White mineral oil (petroleum) - Inhalable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values, as amended (01 2010)
Distillates (petroleum), hydrotreated middle - Mist.	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
	REL	5 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)

	STEL		10 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	TWA		5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Distillates (petroleum), hydrotreated middle - Inhalable fraction.	TWA		5 mg/m3	US. ACGIH Threshold Limit Values, as amended (03 2014)
Ethanol, 2-(2-butoxyethoxy)- - Inhalable fraction and vapor.	TWA	10 ppm		US. ACGIH Threshold Limit Values, as amended (03 2013)
Naphtha (petroleum), heavy alkylate	PEL	100 ppm	400 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
	TWA	100 ppm	400 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	REL	100 ppm	400 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
Propane	REL	1,000 ppm	1,800 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	PEL	1,000 ppm	1,800 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
	TWA	1,000 ppm	1,800 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Butane	REL	800 ppm	1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	STEL	1,000 ppm		US. ACGIH Threshold Limit Values, as amended (03 2018)
	TWA	800 ppm	1,900 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Distillates (petroleum), hydrotreated heavy naphthenic	TWA	400 ppm	1,600 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	PEL	500 ppm	2,000 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
Distillates (petroleum), hydrotreated heavy naphthenic - Mist.	REL		5 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	STEL		10 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	PEL		5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
	TWA		5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Distillates (petroleum), hydrotreated heavy naphthenic	Ceil_Time		1,800 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
Distillates (petroleum), hydrotreated heavy naphthenic - Inhalable fraction.	TWA		5 mg/m3	US. ACGIH Threshold Limit Values, as amended (03 2014)
Distillates (petroleum), hydrotreated heavy naphthenic	REL		350 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
Distillates (petroleum), solvent-refined heavy paraffinic	TWA	400 ppm	1,600 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	PEL	500 ppm	2,000 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
Distillates (petroleum), solvent-refined heavy paraffinic - Mist.	REL		5 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	TWA		5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	STEL		10 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	PEL		5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
Distillates (petroleum), solvent-refined heavy paraffinic - Inhalable fraction.	TWA		5 mg/m3	US. ACGIH Threshold Limit Values, as amended (01 2010)
Distillates (petroleum), solvent-refined heavy paraffinic	REL		350 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	Ceil_Time		1,800 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
Molybdenum sulfide (MoS2) - Respirable fraction. - as Mo	TWA		3 mg/m3	US. ACGIH Threshold Limit Values, as amended (2009)
Molybdenum sulfide (MoS2) - Inhalable fraction. - as Mo	TWA		10 mg/m3	US. ACGIH Threshold Limit Values, as amended (2009)

Molybdenum sulfide (MoS2) - Total dust. - as Mo	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
	TWA	10 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Distillates (petroleum), solvent-dewaxed heavy paraffinic	TWA	400 ppm 1,600 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	PEL	500 ppm 2,000 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
Distillates (petroleum), solvent-dewaxed heavy paraffinic - Mist.	REL	5 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	STEL	10 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
	TWA	5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Distillates (petroleum), solvent-dewaxed heavy paraffinic - Inhalable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values, as amended (03 2014)
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Ceil_Time	1,800 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	REL	350 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
Distillates (petroleum), solvent-refined light paraffinic - Mist.	STEL	10 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	REL	5 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
	TWA	5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Distillates (petroleum), solvent-refined light paraffinic - Inhalable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values, as amended (01 2010)

Appropriate Engineering Controls No data available.

Individual protection measures, such as personal protective equipment

General information: Provide easy access to water supply and eye wash facilities. 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.

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

Skin Protection

Hand Protection: No data available.

Other: Wear suitable protective clothing.

Respiratory Protection: In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

Hygiene measures: Observe good industrial hygiene practices. Avoid contact with eyes. When using do not smoke.

9. Physical and chemical properties

Appearance

Physical state: liquid

Form:	Spray Aerosol
Color:	No data available.
Odor:	No data available.
Odor threshold:	No data available.
pH:	Estimated 6 - 7
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	-104.44 °C
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	Estimated 10.9 %(V)
Flammability limit - lower (%):	Estimated 0.9 %(V)
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	2,068 - 3,447 hPa (20 °C)
Vapor density:	No data available.
Density:	Estimated 0.781 g/cm3
Relative density:	No data available.
Solubility(ies)	
Solubility in water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	No data available.

11. Toxicological information

Information on likely routes of exposure

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: Not classified for acute toxicity based on available data.

Specified substance(s):

White mineral oil (petroleum)	LD 50 (Rat): > 5,000 mg/kg
Distillates (petroleum), hydrotreated middle	LD 50 (Rat): > 5,000 mg/kg
Ethanol, 2-(2-butoxyethoxy)-	LD 50 (Mouse): 2,410 mg/kg
Naphtha (petroleum), heavy alkylate	LD 50: > 2,000 mg/kg
Distillates (petroleum), hydrotreated heavy naphthenic	LD 50 (Rat): > 5,000 mg/kg

Dermal

Product: Not classified for acute toxicity based on available data.

Specified substance(s):

White mineral oil (petroleum)	LD 50 (Rabbit): > 2,000 mg/kg
Distillates (petroleum), hydrotreated middle	LD 50 (Rabbit): > 2,000 mg/kg
Ethanol, 2-(2-butoxyethoxy)-	LD 50 (Rabbit): 2,764 mg/kg
Naphtha (petroleum), heavy alkylate	LD 50: > 2,000 mg/kg
Distillates (petroleum), hydrotreated heavy naphthenic	LD 50 (Rabbit): > 2,000 mg/kg

Inhalation

Product: ATEmix: 16.12 mg/l

Repeated dose toxicity

Product: No data available.

Specified substance(s):

White mineral oil (petroleum)	NOAEL (Rat(Female, Male), Oral, 90 d): >= 20,000 ppm(m) Oral Experimental result, Key study

Distillates (petroleum), hydrotreated middle	LOAEL (Rat(Female, Male), Inhalation): 24 mg/m3 Inhalation Experimental result, Key study NOAEL (Rabbit(Female, Male), Dermal): 1,000 mg/kg Dermal Experimental result, Key study
Ethanol, 2-(2-butoxyethoxy)-	NOAEL (Rat(Female, Male), Oral, 90 d): 250 mg/kg Oral Experimental result, Key study NOAEL (Rat(Female, Male), Dermal, 13 Weeks): > 2,000 mg/kg Dermal Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation, 90 - 120 d): 14 ppm(m) Inhalation Experimental result, Key study
Propane	NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Experimental result, Key study LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation Experimental result, Key study
Butane	LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Experimental result, Key study
Distillates (petroleum), hydrotreated heavy naphthenic	NOAEL (Rat(Female, Male), Inhalation): > 980 mg/m3 Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Dermal, 13 Weeks): >= 2,000 mg/kg Dermal Experimental result, Key study

Skin Corrosion/Irritation

Product: No data available.

Specified substance(s):

White mineral oil (petroleum)	in vivo (Rabbit): Not irritant Experimental result, Key study
Distillates (petroleum), hydrotreated middle	in vivo (Rabbit): Not irritant Experimental result, Key study
Ethanol, 2-(2-butoxyethoxy)-	in vivo (Rabbit): Not irritant Experimental result, Supporting study
Distillates (petroleum), hydrotreated heavy naphthenic	in vivo (Rabbit): Not irritant Experimental result, Key study

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

White mineral oil (petroleum)	Rabbit, 24 - 72 hrs: Not irritating
Distillates (petroleum), hydrotreated middle	Rabbit, 24 hrs: Not irritating
Ethanol, 2-(2-butoxyethoxy)-	Rabbit, 24 - 72 hrs: Highly irritating
Distillates (petroleum), hydrotreated heavy naphthenic	Rabbit, 48 hrs: Not irritating

Respiratory or Skin Sensitization

Product: No data available.

Specified substance(s):

White mineral oil (petroleum)	Skin sensitization:, in vivo (Guinea pig): Non sensitising
Distillates (petroleum), hydrotreated middle	Skin sensitization:, in vivo (Guinea pig): Non sensitising
Ethanol, 2-(2-butoxyethoxy)-	Skin sensitization:, in vivo (Guinea pig): Non sensitising
Distillates (petroleum), hydrotreated heavy naphthenic	Skin sensitization:, in vivo (Guinea pig): Non sensitising

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s):

White mineral oil (petroleum)	May be fatal if swallowed and enters airways.
Naphtha (petroleum), heavy alkylate	May be fatal if swallowed and enters airways.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

White mineral oil (petroleum)	NOAEL (Oncorhynchus mykiss, 96 h): >= 100 mg/l Experimental result, Key study

Ethanol, 2-(2-butoxyethoxy)-	LC 50 (Lepomis macrochirus, 96 h): 1,300 mg/l Experimental result, Key study LC 50 (Pimephales promelas, 96 h): 2,400 mg/l Experimental result, Supporting study
Propane	LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study
Butane	LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study
Distillates (petroleum), hydrotreated heavy naphthenic	LL 50 (Pimephales promelas, 96 h): > 100 mg/l Experimental result, Key study

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

White mineral oil (petroleum)	NOAEL (Daphnia magna, 48 h): >= 100 mg/l Experimental result, Key study
Ethanol, 2-(2-butoxyethoxy)-	LC 50 (Daphnia magna, 48 h): +/- 1,743 mg/l QSAR QSAR, Supporting study
Butane	LC 50 (Daphnia sp., 48 h): 69.43 mg/l QSAR QSAR, Key study
Distillates (petroleum), hydrotreated heavy naphthenic	EC 50 (Daphnia magna, 48 h): > 10,000 mg/l Experimental result, Key study NOAEL (Daphnia magna, 48 h): >= 10,000 mg/l Experimental result, Key study

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

White mineral oil (petroleum)	NOAEL (Oncorhynchus mykiss): >= 1,000 mg/l QSAR QSAR, Supporting study
Distillates (petroleum), hydrotreated heavy naphthenic	NOAEL (Oncorhynchus mykiss): >= 1,000 mg/l QSAR QSAR, Supporting study

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

White mineral oil (petroleum)	NOAEL (Daphnia magna): >= 1,000 mg/l QSAR QSAR, Supporting study
Distillates (petroleum), hydrotreated heavy naphthenic	NOAEL (Daphnia magna): 10 mg/l Experimental result, Key study

Toxicity to Aquatic Plants

Product: No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s):

White mineral oil (petroleum)	31 % (28 d) Detected in water. Read-across from supporting substance (structural analogue or surrogate), Supporting study
Distillates (petroleum), hydrotreated middle	41.96 % Detected in water. Experimental result, Key study
Ethanol, 2-(2-butoxyethoxy)-	85 % (28 d) Detected in water. Experimental result, Key study
Propane	100 % (385.5 h) Detected in water. Experimental result, Key study 50 % (3.19 d) Detected in water. QSAR, Weight of Evidence study
Butane	100 % (385.5 h) Detected in water. Experimental result, Key study
Distillates (petroleum), hydrotreated heavy naphthenic	31 % (28 d) Detected in water. Read-across based on grouping of substances (category approach), Supporting study 2 - 4 % (28 d) Detected in water. Experimental result, Supporting study

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

White mineral oil (petroleum)	No data available.
Distillates (petroleum), hydrotreated middle	No data available.
Ethanol, 2-(2-butoxyethoxy)-	No data available.
Naphtha (petroleum), heavy alkylate	No data available.
Propane	No data available.
Butane	No data available.
Distillates (petroleum), hydrotreated heavy naphthenic	No data available.

Other adverse effects: No data available.

13. Disposal considerations

Disposal instructions: Discharge, treatment, or disposal may be subject to national, state, or local laws.

Contaminated Packaging: No data available.

14. Transport information

DOT

UN Number:	UN 1950
UN Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es)	
Class:	2.1
Label(s):	–
Packing Group:	II
Marine Pollutant:	No
Environmental Hazards:	No
Marine Pollutant	No
Special precautions for user:	Not regulated.

IMDG

UN Number:	UN 1950
UN Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es)	
Class:	2
Label(s):	–
EmS No.:	
Packing Group:	–
Environmental Hazards:	No
Marine Pollutant	No
Special precautions for user:	Not regulated.

IATA

UN Number:	UN 1950
Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es):	
Class:	2.1
Label(s):	–
Packing Group:	–
Environmental Hazards:	No
Marine Pollutant	No
Special precautions for user:	Not regulated.

15. Regulatory information

US Federal Regulations

Restrictions on use: Not known.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity
Propane	lbs. 100
Butane	lbs. 100

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Fire Hazard
Immediate (Acute) Health Hazards
Flammable aerosol
Serious Eye Damage/Eye Irritation
Aspiration Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity	Reportable quantity
Ethanol, 2-(2-butoxyethoxy)-	
Propane	lbs. 100
Butane	lbs. 100

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
White mineral oil (petroleum)	10000 lbs
Distillates (petroleum), hydrotreated middle	10000 lbs
Ethanol, 2-(2-butoxyethoxy)-	10000 lbs
Naphtha (petroleum), heavy alkylate	10000 lbs
Propane	10000 lbs
Butane	10000 lbs
Distillates (petroleum), hydrotreated heavy naphthenic	10000 lbs
Distillates (petroleum), solvent-refined heavy paraffinic	10000 lbs
Molybdenum sulfide (MoS2)	10000 lbs
Distillates (petroleum), solvent-dewaxed heavy paraffinic	10000 lbs
Distillates (petroleum), solvent-refined light paraffinic	10000 lbs

SARA 313 (TRI Reporting)

Chemical Identity	Reporting threshold for other users	Reporting threshold for manufacturing and processing
Ethanol, 2-(2-butoxyethoxy)-	N230 lbs	N230 lbs.

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

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

US State Regulations

US. California Proposition 65

No ingredient requiring a warning under CA Prop 65.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity
White mineral oil (petroleum)
Distillates (petroleum), hydrotreated middle
Ethanol, 2-(2-butoxyethoxy)-
Naphtha (petroleum), heavy alkylate
Propane
Butane
Distillates (petroleum), hydrotreated heavy naphthenic

US. Massachusetts RTK - Substance List

Chemical Identity
Distillates (petroleum), solvent-refined light paraffinic

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

White mineral oil (petroleum)
Distillates (petroleum), hydrotreated middle
Ethanol, 2-(2-butoxyethoxy)-
Naphtha (petroleum), heavy alkylate
Propane
Butane
Distillates (petroleum), hydrotreated heavy naphthenic

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

Inventory Status:

Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
EINECS, ELINCS or NLP:	Not in compliance with the inventory.
Japan (ENCS) List:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	Not in compliance with the inventory.
Canada NDSL Inventory:	Not in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory
Japan ISHL Listing:	Not in compliance with the inventory.
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.
Mexico INSQ:	Not in compliance with the inventory.
Ontario Inventory:	Not in compliance with the inventory.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory

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

Issue Date:	04/23/2020
Revision Information:	No data available.
Version #:	1.0
Further Information:	No data available.
Disclaimer:	This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.