SAFETY DATA SHEET

Section 1. Identification

GHS product identifier : Mystik® LithoPlex® 5% Moly #2

Other means of identification : Lubricating grease;
CITGO® Material Code: 655357002 ; Formerly known as CITGO Lithoplex HM 2 (655357001).

Product code : 655357002

Relevant identified uses of the substance or mixture and uses advised against

Identified uses
Lubricating grease

This product is not recommended for any use other than the identified uses above.

Supplier's details : CITGO Petroleum Corporation
P.O. Box 4689
Houston, TX 77210
sdsvend@citgo.com

Emergency telephone number (with hours of operation) : Technical Contact: (800) 248-4684
Medical Emergency: (832) 486-4700
CHEMTREC Emergency: (800) 424-9300
(United States Only)

Section 2. Hazards identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 75.1%

GHS label elements

Signal word : No signal word.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

General : P102 - Keep out of reach of children.

Prevention : P262 - Do not get in eyes, on skin, or on clothing.

Response : P352 - Wash with plenty of soap and water or use a recognized skin cleanser.

Storage : P401 - Store in accordance with all local, regional, national and international regulations.
P402 + P404 - Store in a dry place and a closed container.
Empty containers may contain material residues which can ignite with explosive force. Misuse of empty containers can be dangerous if used to store toxic, flammable, or reactive materials. Cutting or welding of empty containers can cause fire, explosion, or release of toxic fumes from residues. Do not pressurize or expose empty containers to open flame, sparks, or heat. Keep container closed and drum bungs in place. All label warnings and precautions must be observed. Return empty drums to a qualified reconditioner. Consult appropriate federal, state and local authorities before reusing, reconditioning, reclaiming, recycling, or disposing of empty containers and/or waste residues of this material.

Section 2. Hazards identification

Disposal : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. Don't Pollute. Conserve Resources. Return used oil to collection centers.

Hazards not otherwise classified : None known.

Hazards identified when used : Injection of petroleum hydrocarbons requires immediate medical attention. Injection of pressurized hydrocarbons can cause severe permanent tissue damage. Initial symptoms may be minor.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Lubricating grease;
CITGO® Material Code: 655357002 ; Formerly known as CITGO Lithoplex HM 2 (655357001).

Ingredient name	%	Identifiers
Distillates (petroleum), hydrotreated heavy naphthenic	≥80	CAS: 64742-52-5
Distillates (petroleum), hydrotreated heavy paraffinic	≥15 - ≤40	CAS: 64742-54-7
Residual oils (petroleum), solvent-dewaxed	≥10 - ≤30	CAS: 64742-62-7
molybdenum disulphide	≥1 - ≤5	CAS: 1317-33-5
1-Propene, 2-methyl-, sulfurized	≥1 - ≤5	CAS: 68511-50-2
Natural graphite	≥1 - ≤5	CAS: 7782-42-5
Phosphorodithioic acid, mixed o, o-bis(2-ethylhexyl and iso-bu and pentyl) esters, zinc salts	≥1 - ≤5	CAS: 68988-45-4

Any concentration shown as a range is to protect confidentiality or is due to process variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : Injection of pressurized hydrocarbons can cause severe permanent tissue damage. Initial symptoms may be minor.

Section 4. First aid measures

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : In the event of injection in underlying tissue, immediate treatment should include extensive incision, debridement and saline irrigation. Inadequate treatment can result in ischemia and gangrene. Early symptoms may be minimal.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : Do not use water jet.

Specific hazards arising from the chemical : No specific fire or explosion hazard.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
sulfur oxides
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Section 6. Accidental release measures

Small spill : Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill : Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Bulk Storage Conditions: Do not apply heat or flame to stockpiled material. Rotate stock to reduce the potential for hot spots. Do not store with oxidizers. Minimize dust creation by keeping material moist and/or covered.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Distillates (petroleum), hydrotreated heavy naphthenic	**ACGIH TLV (United States, 1/2024) [Mineral Oil, pure, highly and severely refined]** A4. TWA 8 hours: 5 mg/m³. Form: Inhalable fraction. **NIOSH REL (United States, 10/2020) [OIL MIST MINERAL]** TWA 10 hours: 5 mg/m³. Form: Mist. STEL 15 minutes: 10 mg/m³. Form: Mist. **OSHA PEL (United States, 5/2018) [Oil mist, mineral]** TWA 8 hours: 5 mg/m³.
Distillates (petroleum), hydrotreated heavy paraffinic	**ACGIH TLV (United States, 1/2024) [Mineral Oil, pure, highly and severely refined]** A4. TWA 8 hours: 5 mg/m³. Form: Inhalable fraction. **NIOSH REL (United States, 10/2020) [OIL MIST MINERAL]** TWA 10 hours: 5 mg/m³. Form: Mist. STEL 15 minutes: 10 mg/m³. Form: Mist. **OSHA PEL (United States, 5/2018) [Oil mist, mineral]** TWA 8 hours: 5 mg/m³.
Residual oils (petroleum), solvent-dewaxed	**ACGIH TLV (United States, 1/2024) [Mineral Oil, pure, highly and severely refined]** A4. TWA 8 hours: 5 mg/m³. Form: Inhalable fraction. **NIOSH REL (United States, 10/2020) [OIL**

Section 8. Exposure controls/personal protection

	MIST MINERAL] TWA 10 hours: 5 mg/m³. Form: Mist. STEL 15 minutes: 10 mg/m³. Form: Mist. **OSHA PEL (United States, 5/2018) [Oil mist, mineral]** TWA 8 hours: 5 mg/m³.
molybdenum disulphide	**ACGIH TLV (United States, 1/2024) [Molybdenum, Metal and insoluble compounds]** TWA 8 hours: 10 mg/m³ (as Mo). Form: Inhalable fraction. TWA 8 hours: 3 mg/m³ (as Mo). Form: Respirable fraction. **OSHA PEL (United States, 5/2018) [Molybdenum Insoluble Compounds]** TWA 8 hours: 15 mg/m³ (as Mo). Form: Total dust.
1-Propene, 2-methyl-, sulfurized	None.
Natural graphite	**ACGIH TLV (United States)** TWA 8 hours: 2 mg/m³. Form: Respirable fraction. **NIOSH REL (United States, 10/2020)** TWA 10 hours: 2.5 mg/m³. Form: Respirable fraction. **OSHA PEL (United States)** TWA 8 hours: 15 mg/m³. Form: Total dust. **OSHA PEL Z3 (United States, 6/2016)** TWA 8 hours: 15 mppcf.
Phosphorodithioic acid, mixed o, o-bis(2-ethylhexyl and iso-bu and pentyl) esters, zinc salts	None.

Biological exposure indices

No exposure indices known.

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, vapor controls, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Section 8. Exposure controls/personal protection

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Solid. [Smooth texture]

Color : Dark gray to black

Odor : Mild petroleum odor

pH : Not available.

Boiling point or initial boiling point and boiling range : Not available.

Flash point : Open cup: >150°C (>302°F) [Estimated]

Evaporation rate : <1 (butyl acetate = 1)

Lower and upper explosive (flammable) limits : Not applicable.

Vapor pressure : <0.013 kPa (<0.1 mm Hg)

Relative vapor density : >10 [Air = 1]

Relative density : 0.95

Density lbs/gal : 7.82 lbs/gal

Density gm/cm^3 : Not available.

Gravity, °API : Estimated 17 @ 60 F

Solubility(ies) :

Media	Result
cold water	Not soluble

Auto-ignition temperature Not applicable.

Viscosity : Dynamic (room temperature): Not available.
Kinematic (room temperature): Not available.
Kinematic (40°C (104°F)): Not available.

NLGI Grade : 2

Flow time (ISO 2431) : Not available.

Particle characteristics

Median particle size : Not available.

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Section 10. Stability and reactivity

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result
Distillates (petroleum), hydrotreated heavy naphthenic	**Rat - Oral - LD50** >5000 mg/kg **Rat - Oral - LD50** >5000 mg/kg
Distillates (petroleum), hydrotreated heavy paraffinic	**Rat - Dermal - LD50** >5000 mg/kg EU **Rat - Oral - LD50** >5000 mg/kg EU
molybdenum disulphide	**Rat - Oral - LD50** >6000 mg/kg **Rat - Oral - LD** >2 g/kg Toxic effects: Other - Hair **Rat - Dermal - LD** >2 g/kg Toxic effects: Skin After systemic exposure - Dermatitis, other Gross Metabolite Changes - Weight loss or decreased weight gain **Rat - Oral - LDLo** 6 g/kg Toxic effects: Behavioral - Food intake (animal) Gastrointestinal - Hypermotility, diarrhea Gastrointestinal - Nausea or vomiting
1-Propene, 2-methyl-, sulfurized	**Rat - Oral - LD50** >5000 mg/kg **Rabbit - Dermal - LD50** 2000 mg/kg **Rat - Oral - LD50** 8.6 g/kg Toxic effects: Eye - Chromodacryorrhea Behavioral - Ataxia Gastrointestinal - Hypermotility, diarrhea
Phosphorodithioic acid, mixed o, o-bis (2-ethylhexyl and iso-bu and pentyl) esters, zinc salts	**Rat - Male - Oral - LD50** 3600 mg/kg EU **Rabbit - Male, Female - Dermal - LD50** 13800 mg/kg EU **Rat - Male - Inhalation - LC50 Dusts and mists** >2 mg/l [1 hours] EU

Conclusion/Summary [Product] :

Ingredient name	Conclusion/Summary

Section 11. Toxicological information

Distillates (petroleum), hydrotreated heavy naphthenic	Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In acute and sub-acute studies involving exposures to lower concentrations of mineral oil mists at or near current work place exposure levels produced no significant toxicological effects.
Distillates (petroleum), hydrotreated heavy paraffinic	Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In acute and sub-acute studies involving exposures to lower concentrations of mineral oil mists at or near current work place exposure levels produced no significant toxicological effects.
molybdenum disulphide	In general, insoluble compounds of molybdenum, such as molybdenum disulfide, exhibit a low order of toxicity.
Natural graphite	Laboratory studies have associated graphite with mild pulmonary fibrotic reactions when administered to rats by intratracheal injection. Numerous epidemiological studies performed in the mining, milling and carbon electrode manufacturing industries have associated a form of pneumoconiosis with overexposure to both synthetic and natural graphite. These data are not expected to be relevant to graphic used in a grease or oil matrix.

Skin corrosion/irritation

Product/ingredient name	Result
Phosphorodithioic acid, mixed o, o-bis (2-ethylhexyl and iso-bu and pentyl) esters, zinc salts	**Rabbit - Skin - Edema** EU Duration of treatment/exposure: 4 hours Amount/concentration applied: 0.5 mL Observation period: 72 hours Irritation score: 4.8

Conclusion/Summary [Product] :

Ingredient name	Conclusion/Summary
molybdenum disulphide	May cause skin irritation.

Serious eye damage/eye irritation

Product/ingredient name	Result
Phosphorodithioic acid, mixed o, o-bis (2-ethylhexyl and iso-bu and pentyl) esters, zinc salts	**Rabbit - Eyes - Cornea opacity** EU Amount/concentration applied: 0.1 mL Observation period: 14 days Irritation score: 2

Conclusion/Summary [Product] :

Ingredient name	Conclusion/Summary
molybdenum disulphide	May cause eye irritation.

Respiratory corrosion/irritation

Not available.

Section 11. Toxicological information

Conclusion/Summary [Product] :

Ingredient name	Conclusion/Summary
molybdenum disulphide	May cause respiratory irritation.

Respiratory or skin sensitization

Product/ingredient name	Result
Phosphorodithioic acid, mixed o, o-bis (2-ethylhexyl and iso-bu and pentyl) esters, zinc salts	**Guinea pig - skin** EU Result: Not sensitizing

Skin

Conclusion/Summary [Product] : No additional information.

Respiratory

Conclusion/Summary [Product] : No additional information.

Germ cell mutagenicity

Not available.

Conclusion/Summary [Product] : No additional information.

Carcinogenicity

Not available.

Conclusion/Summary [Product] : No additional information.

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : No additional information.

Specific target organ toxicity (single exposure)

Product/ingredient name	Result
molybdenum disulphide	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Routes of entry anticipated: Dermal.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Section 11. Toxicological information

Skin contact : Injection of pressurized hydrocarbons can cause severe permanent tissue damage. Initial symptoms may be minor.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Product/ingredient name	Result
Phosphorodithioic acid, mixed o, o-bis (2-ethylhexyl and iso-bu and pentyl) esters, zinc salts	**Chronic - Rat - Male, Female - Oral - NOAEL** EU 125 mg/kg [28 days]

Conclusion/Summary [Product] : Not available.

Ingredient name	Conclusion/Summary
molybdenum disulphide	In a subchronic oral study, no signs of toxicity were observed in rats receiving molybdenum disulfide at 10 to 500 milligrams of molybdenum disulfide per animal per day. In an experimental study, guinea pigs were exposed to an average concentration of 286 milligrams of molybdenum disulfide dust per cubic meter for one hour per day, five days per week for five weeks. Of the 25 animals studied, one animal died within three days; the appearance of the other animals was normal.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Section 11. Toxicological information

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Mystik® LithoPlex® 5% Moly #2	317588.2	31194.3	N/A	N/A	N/A
1-Propene, 2-methyl-, sulfurized	8600	2000	N/A	N/A	N/A
Phosphorodithioic acid, mixed o, o-bis(2-ethylhexyl and iso-bu and pentyl) esters, zinc salts	3600	13800	N/A	N/A	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result
Distillates (petroleum), hydrotreated heavy naphthenic	**Acute - LC50 - Fresh water** OECD 203 Fish - *Pimephales promelas* >100 mg/l [96 hours] **Acute - EC50 - Fresh water** OECD 202 Daphnia - Daphnia - *Daphnia magna* >10000 mg/l [48 hours] **Acute - NOEL - Fresh water** OECD 201 Algae - Algae - *Pseudokirchneriella subcapitata* >100 mg/l [72 hours]
Phosphorodithioic acid, mixed o, o-bis (2-ethylhexyl and iso-bu and pentyl) esters, zinc salts	**Acute - LC50** EU Fish - *Cyprinodon variegatus* 46 mg/l [96 hours] **Acute - NOEC** EU Daphnia - Daphnia - *Daphnia magna* 1 mg/l [48 hours] **Chronic - NOEC** EU Daphnia - Daphnia - *Daphnia Magna* 0.8 mg/l [21 days] **Acute - EC50 - Fresh water** EU Algae - Algae - *Selenastrum capricornutum* 2.1 mg/l [72 hours]

Conclusion/Summary [Product] : Not available.

Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Distillates (petroleum), hydrotreated heavy naphthenic	-	-	Inherent

Section 12. Ecological information

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Distillates (petroleum), hydrotreated heavy naphthenic	>6	-	High

Mobility in soil

Soil/Water partition coefficient : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IMDG	IATA
UN number	Not regulated.	Not available.	Not available.	Not available.	Not available.
UN proper shipping name	-	Not available.	Not available.	Not available.	Not available.
Transport hazard class(es)	-	Not available.	Not available.	Not available.	Not available.
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.

Oil: The product(s) represented by this SDS is (are) regulated as “oil” under 49 CFR Part 130. Shipments by rail or highway in packaging having a capacity of 3500 gallons or more or in a quantity greater 42,000 gallons are subject to these requirements. In addition, mixtures containing 10% or more of this product may be subject to these requirements.

Special precautions for user : **Transport within user’s premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

U.S. Federal regulations

TSCA 8(a) PAIR: Siloxanes and Silicones, di-Me; Cyclosiloxanes, di-Me

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Water Act (CWA) 307: Naphthenic acids, zinc salts; zinc neodecanoate; chrysene

This material is classified as an oil under Section 311 of the Clean Water Act (CWA) and the Oil Pollution Act of 1990 (OPA). Discharges or spills which produce a visible sheen on waters of the United States, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPA's National Response Center at (800) 424-8802.

TSCA 12(b) - Chemical export notification

Not applicable.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

Name	%	Classification
molybdenum disulphide	≥1 - ≤5	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
1-Propene, 2-methyl-, sulfurized	≥1 - ≤5	FLAMMABLE LIQUIDS - Category 4 ACUTE TOXICITY (dermal) - Category 4
Phosphorodithioic acid, mixed o, o-bis(2-ethylhexyl and iso-bu and pentyl) esters, zinc salts	≥1 - ≤5	SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	Phosphorodithioic acid, mixed o, o-bis(2-ethylhexyl and iso-bu and pentyl) esters, zinc salts	68988-45-4	≥1 - ≤5
	chrysene	218-01-9	≤0.1
Supplier notification	Phosphorodithioic acid, mixed o, o-bis(2-ethylhexyl and iso-bu and pentyl) esters, zinc salts	68988-45-4	≥1 - ≤5
	chrysene	218-01-9	≤0.1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts : The following components are listed: OIL MIST, MINERAL; OIL MIST, MINERAL; OIL MIST, MINERAL; MOLYBDENUM DISULFIDE; Polymer

Section 15. Regulatory information

New York : None of the components are listed.

New Jersey : The following components are listed: Polymer

Pennsylvania : The following components are listed: Polymer

California Prop. 65

⚠ **WARNING**: This product can expose you to chemicals including molybdenum trioxide, which is known to the State of California to cause cancer, and Lithium carbonate, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ingredient name	Concentration	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Lithium carbonate	<0.1	No.	Yes.	-	-
molybdenum trioxide	<0.01	Yes.	No.	-	-
Chrysene	<0.0001	Yes.	No.	Yes.	-

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia : All components are listed or exempted.

Canada : All components are listed or exempted.

China : All components are listed or exempted.

Eurasian Economic Union : **Russian Federation inventory**: Not determined.

Japan : **Japan inventory (CSCL)**: Not determined.
Japan inventory (ISHL): Not determined.

New Zealand : All components are listed or exempted.

Philippines : Not determined.

Republic of Korea : All components are listed or exempted.

Taiwan : At least one component is not listed.

Thailand : Not determined.

Turkey : Not determined.

United States : All components are active or exempted.

Viet Nam : Not determined.

Section 16. Other information

National Fire Protection Association (U.S.A.)

Procedure used to derive the classification

Section 16. Other information

Classification	Justification
Not classified.	

History

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Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
DOT = Department of Transportation
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
IMO = International Maritime Organization
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
TDG = Transportation of Dangerous Goods
UN = United Nations

References : Not available.

Indicates information that has changed from previously issued version.

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