

# SAFETY DATA SHEET

# ExxonMobil

MOBIL DYNAGEAR 800 EXTRA

## Section 1. Identification

**Product name** : MOBIL DYNAGEAR 800 EXTRA

**Product description** : base oil and additives

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

**Identified uses** : grease

**Uses advised against** : This product is not recommended for any industrial, professional or consumer use other than the identified uses above.

**Supplier** : EXXON MOBIL CORPORATION  
22777 Springwoods Village Parkway  
Spring, TX 77389 USA

**24-Hour emergency telephone number** : 1-800-424-9300 / +1 703-741-5970 / +1-703-527-3887 (CHEMTREC)

**Product Technical Information** : 800-662-4525

**SDS Internet Address** : [www.sds.exxonmobil.com](http://www.sds.exxonmobil.com)

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : SKIN SENSITIZATION - Category 1

### GHS label elements

**Hazard pictograms** :



**Signal word** : Warning

**Hazard statements** : H317 - May cause an allergic skin reaction.

### Precautionary statements

**Prevention** : P261 - Avoid breathing vapor.  
P272 - Contaminated work clothing must not be allowed out of the workplace.  
P280 - Wear protective gloves.

**Response** : P302 + P352 - IF ON SKIN: Wash with plenty of water.  
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P363 - Wash contaminated clothing before reuse.

**Disposal** : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Contains** : 5,5'-dithiobis-1,3,4-thiadiazole-2(3h)-thione

**Hazards not otherwise classified** : None known.

**Note** : This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

Ingredient name	% by weight	Identifiers
hydrotreated light naphthenic distillate (petroleum)	≥25 - ≤50	CAS: 64742-53-6
butene, homopolymer	≥10 - ≤25	CAS: 9003-29-6
catalytic dewaxed light paraffinic oil (petroleum)	≥10 - ≤25	CAS: 64742-71-8
5,5'-dithiobis-1,3,4-thiadiazole-2(3h)-thione	≤3	CAS: 72676-55-2
zinc dialkyl dithiophosphate	<2	CAS: 68457-79-4
amines, c12-14-tert-alkyl	≤0.3	CAS: 68955-53-3

Any concentration shown as a range is to protect confidentiality or is due to batch 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. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury. Wash clothing before reuse. Clean shoes thoroughly before reuse. Continue to rinse for at least 10 minutes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Get medical attention. Wash with plenty of soap and water. In the event of any complaints or symptoms, avoid further exposure.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### 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** : May cause an allergic skin reaction.

## 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** : Adverse symptoms may include the following:  
irritation  
redness  
Local necrosis as evidenced by delayed onset of pain and tissue damage a few hours after injection.

**Ingestion** : No specific data.

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

**Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments** : No specific treatment.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing media** : Do not use water jet.

**Specific hazards arising from the chemical** : This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous combustion products** : Aldehydes, Asphalt fumes, hydrogen sulfide, Incomplete combustion products, Oxides of carbon, Smoke, Fume, sulfur oxides

**Special protective actions for fire-fighters** : Use standard firefighting procedures and consider the hazards of other involved materials. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Assure an extended cooling down period to prevent re-ignition. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. 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

### NOTIFICATION PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway including intermittent dry creeks. The National Response Center can be reached at (800)424-8802.

### 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. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

## Section 6. Accidental release measures

**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). Water polluting material. May be harmful to the environment if released in large quantities.

### Methods and materials for containment and cleaning up

**Small spill** : Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Confine the spill immediately with booms. Skim from surface. Warn other shipping. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

## Section 7. Handling and storage

### Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**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.

**Static Accumulator** : This material is not a static accumulator.

**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.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
hydrotreated light naphthenic distillate (petroleum)	<b>NIOSH REL (United States, 10/2020) [OIL MIST MINERAL]</b> TWA 10 hours: 5 mg/m <sup>3</sup> . Form: Mist. STEL 15 minutes: 10 mg/m <sup>3</sup> . Form: Mist. <b>OSHA PEL (United States, 5/2018) [Oil mist, mineral]</b> TWA 8 hours: 5 mg/m <sup>3</sup> . <b>ACGIH TLV (United States, 1/2024) [Mineral Oil, pure, highly and severely refined]</b> TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Inhalable fraction.
1-dodecene, polymer with 1-octene, hydrogenated butene, homopolymer	<b>ExxonMobil (COMPANY)</b> TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Aerosols (thoracic fraction). None.
catalytic dewaxed light paraffinic oil (petroleum)	<b>NIOSH REL (United States, 10/2020) [OIL MIST MINERAL]</b> TWA 10 hours: 5 mg/m <sup>3</sup> . Form: Mist. STEL 15 minutes: 10 mg/m <sup>3</sup> . Form: Mist. <b>OSHA PEL (United States, 5/2018) [Oil mist, mineral]</b> TWA 8 hours: 5 mg/m <sup>3</sup> . <b>ACGIH TLV (United States, 1/2024) [Mineral Oil, pure, highly and severely refined]</b> TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Inhalable fraction.
graphite	<b>NIOSH REL (United States, 10/2020)</b> TWA 10 hours: 2.5 mg/m <sup>3</sup> . Form: Respirable fraction. <b>CAL OSHA PEL (United States, 5/2018)</b> TWA 8 hours: 2.5 mg/m <sup>3</sup> . Form: respirable dust. <b>OSHA PEL Z3 (United States, 6/2016)</b> TWA 8 hours: 15 mppcf. <b>OSHA PEL (United States, 5/2018)</b> TWA 8 hours: 15 mg/m <sup>3</sup> . Form: Total dust. TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Respirable fraction. <b>OSHA PEL 1989 (United States, 3/1989)</b> TWA 8 hours: 2.5 mg/m <sup>3</sup> . Form: Respirable dust. <b>ACGIH TLV (United States, 1/2024)</b> TWA 8 hours: 2 mg/m <sup>3</sup> . Form: Respirable fraction.
molybdenum (iv) sulfide	<b>CAL OSHA PEL (United States, 5/2018) [molybdenum, insoluble compounds]</b> TWA 8 hours: 3 mg/m <sup>3</sup> (as Mo). Form: respirable fraction. TWA 8 hours: 10 mg/m <sup>3</sup> (as Mo). Form: total dust. <b>OSHA PEL (United States, 5/2018) [Molybdenum Insoluble Compounds]</b> TWA 8 hours: 15 mg/m <sup>3</sup> (as Mo). Form: Total dust. <b>OSHA PEL 1989 (United States, 3/1989) [Molybdenum (as Mo) insoluble compounds]</b> TWA 8 hours: 10 mg/m <sup>3</sup> (as Mo). Form: Total dust. <b>ACGIH TLV (United States, 1/2024) [Molybdenum, Metal and insoluble compounds]</b> TWA 8 hours: 10 mg/m <sup>3</sup> (as Mo). Form: Inhalable fraction. TWA 8 hours: 3 mg/m <sup>3</sup> (as Mo). Form: Respirable fraction.
5,5'-dithiobis-1,3,4-thiadiazole-2(3h)-thione	None.
zinc dialkyl dithiophosphate	None.
asphalt (petroleum)	<b>NIOSH REL (United States, 10/2020) [ASPHALT FUMES]</b> CEIL 15 minutes: 5 mg/m <sup>3</sup> . Form: Fume. <b>CAL OSHA PEL (United States, 5/2018)</b> TWA 8 hours: 5 mg/m <sup>3</sup> . Form: fumes. <b>ACGIH TLV (United States, 1/2024) [Asphalt fumes]</b> TWA 8 hours: 0.5 mg/m <sup>3</sup> (as benzene soluble aerosol). Form: Inhalable fraction.
amines, c12-14-tert-alkyl	None.
hydrogen sulfide	<b>[Air contaminant - Decomposition product(s)]</b> <b>NIOSH REL (United States, 10/2020)</b> CEIL 10 minutes: 10 ppm. CEIL 10 minutes: 15 mg/m <sup>3</sup> .

## Section 8. Exposure controls/personal protection

### OSHA PEL Z2 (United States, 2/2013)

CEIL: 20 ppm.

AMP 10 minutes: 50 ppm.

### CAL OSHA PEL (United States, 5/2018)

STEL 15 minutes: 21 mg/m<sup>3</sup>.

STEL 15 minutes: 15 ppm.

C: 50 ppm.

TWA 8 hours: 14 mg/m<sup>3</sup>.

TWA 8 hours: 10 ppm.

### OSHA PEL 1989 (United States, 3/1989)

TWA 8 hours: 10 ppm.

TWA 8 hours: 14 mg/m<sup>3</sup>.

STEL 15 minutes: 15 ppm.

STEL 15 minutes: 21 mg/m<sup>3</sup>.

### ACGIH TLV (United States, 1/2024)

TWA 8 hours: 1 ppm.

STEL 15 minutes: 5 ppm.

### ExxonMobil (COMPANY)

STEL 15 minutes: 10 ppm.

STEL 15 minutes: 14 mg/m<sup>3</sup>.

TWA 8 hours: 5 ppm.

TWA 8 hours: 7 mg/m<sup>3</sup>.

NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

#### 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, fume scrubbers, 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. Contaminated work clothing should not be allowed out of the workplace. 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, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. < 1 hour (breakthrough time): Nitrile, minimum 0.38 mm thickness or comparable protective barrier material

##### 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.

##### 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.



## Section 8. Exposure controls/personal protection

- 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 and safety characteristics

**Note:** Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Contact the Supplier for additional information.

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

### Appearance

- Physical state** : Liquid. [Semi-fluid]  
**Color** : Black  
**Odor** : Characteristic  
**Odor threshold** : Not available.  
**pH** : Not applicable.  
**Melting point/freezing point** : Not available.  
**Boiling point or initial boiling point and boiling range** : Not available.  
**Flash point** : Closed cup: 158°C (316.4°F) [Typical]  
**Evaporation rate** : Not available.  
**Flammability** : Ignitable  
**Lower and upper explosion limit/flammability limit** : Lower: 0.9%  
Upper: 7%  
**Vapor pressure** : <0.1 mm Hg [20 °C]  
**Relative vapor density** : Not available.  
**Relative density** : 0.91 [Estimated]  
**Solubility in water** : Negligible  
**Partition coefficient: n-octanol/water** : >3.5  
**Auto-ignition temperature** : Not available.  
**Decomposition temperature** : Not available.  
**Viscosity** : 680 to 880 cSt [40 °C]  
60 cSt [100 °C] [Estimated]

### Particle characteristics

- Median particle size** : Not applicable.  
**DMSO Extract (mineral oil only), IP-346** : <3 % by weight

## 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** : High energy sources of ignition. Excessive heat.
- Incompatible materials** : Strong oxidizers

## Section 10. Stability and reactivity

**Hazardous decomposition products** : hydrogen sulfide

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Test	Species	Result	Duration
amines, c12-14-tert-alkyl	LC50 Inhalation Vapor	Rat	1.19 mg/l	4 hours
	LD50 Dermal	Rat	251 mg/kg	-
	LD50 Oral	Rat	612 mg/kg	-

#### Conclusion/Summary

- Inhalation** : Minimally Toxic. No end point data for material. Based on assessment of the components.
- Dermal** : Minimally Toxic. No end point data for material. Based on assessment of the components.
- Oral** : Minimally Toxic. No end point data for material. Based on assessment of the components.

#### Irritation/Corrosion

#### Conclusion/Summary

- Skin** : Negligible irritation to skin at ambient temperatures. No end point data for material. Based on assessment of the components.
- Eyes** : May cause mild, short-lasting discomfort to eyes. No end point data for material. Based on assessment of the components.
- Respiratory** : Negligible hazard at ambient/normal handling temperatures. No end point data for material.

#### Respiratory or skin sensitization

#### Conclusion/Summary

- Skin** : May cause allergic skin reaction. No end point data for material. Based on assessment of the components.
- Respiratory** : Not expected to be a respiratory sensitizer. No end point data for material.

#### Mutagenicity

#### Conclusion/Summary

- : Not expected to be a germ cell mutagen. No end point data for material. Based on assessment of the components.

#### Carcinogenicity

#### Conclusion/Summary

- : Not expected to cause cancer. No end point data for material. Based on assessment of the components.

#### Reproductive toxicity

#### Conclusion/Summary

- : Not expected to be a reproductive toxicant. No end point data for material. Based on assessment of the components.

#### Specific target organ toxicity (single exposure)

#### Conclusion/Summary

- : Not expected to cause organ damage from a single exposure. No end point data for material.

#### Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Target organs
MOBIL DYNAGEAR 800 EXTRA	Not applicable.	-

#### Conclusion/Summary

- : Not expected to cause organ damage from prolonged or repeated exposure. No end point data for material. Based on assessment of the components.

#### Aspiration hazard

#### Conclusion/Summary

- : Not expected to be an aspiration hazard. Based on physico-chemical properties of the material. Data available.

### Other information



## Section 11. Toxicological information

- Contains** : Graphite: May contain crystalline silica. Certain grades have produced lung tumors in animal studies and also exposed humans. Airborne exposure to high concentrations have resulted in pneumoconiosis in humans. Base oil severely refined: Not carcinogenic in animal studies. Representative material passes IP-346, Modified Ames test, and/or other screening tests. Dermal and inhalation studies showed minimal effects; lung non-specific infiltration of immune cells, oil deposition and minimal granuloma formation. Not sensitizing in test animals.
- Product** : An ingredient or ingredients that are classified as a skin sensitizer.

## Section 12. Ecological information

The information given is based on data for the material, components of the material, or for similar materials, through the application of bridging principals.

### Toxicity

#### Conclusion/Summary

- Acute toxicity** : Harmful to aquatic life.
- Chronic toxicity** : Harmful to aquatic life with long lasting effects.

#### Persistence and degradability

- Biodegradability** : Base oil component -- Expected to be inherently biodegradable

#### Bioaccumulative potential

#### Conclusion/Summary

- : Base oil component -- Has the potential to bioaccumulate, however metabolism or physical properties may reduce the bioconcentration or limit bioavailability.

#### Mobility in soil

##### Mobility

- : Base oil component -- Expected to partition to sediment and wastewater solids. Low solubility and floats and is expected to migrate from water to the land.

#### Other ecological information

##### 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

## Section 14. Transport information

## Section 14. Transport information

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

### Additional information

**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 applicable.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 4(a) proposed test rules:** alkyl phosphonate  
**TSCA 8(a) PAIR:** phosphoric acid, 2-ethylhexyl ester  
**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**Clean Water Act (CWA) 307:** zinc dialkyl dithiophosphate; antimony tris (0,0-dipropylphosphorodithioate)  
**Clean Water Act (CWA) 311:** phosphoric acid; propylene oxide

### TSCA 12(b) - Chemical export notification

Not applicable.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : 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

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
propylene oxide	<0.1	Yes.	10000	1444.3	100	14.4
ethylene oxide	<0.1	Yes.	1000	-	10	-

## Section 15. Regulatory information

**SARA 304 RQ** : 3693853427.9 lbs / 1677009456.3 kg [486834098.1 gal / 1842867534.4 L]

### **SARA 311/312**

**Classification** : SKIN SENSITIZATION - Category 1

### **SARA 313**

	Product name	CAS number	%
Form R - Reporting requirements	zinc dialkyl dithiophosphate	68457-79-4	<2
Supplier notification	zinc dialkyl dithiophosphate	68457-79-4	<2

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: MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED LIGHT NAPHTHENIC; MINERAL OIL, PETROLEUM PARAFFIN OILS, CATALYTIC DEWAXED LIGHT; GRAPHITE (NATURAL)DUST; MOLYBDENUM DISULFIDE; ASPHALT FUMES
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: GRAPHITE (NATURAL); ZINC compounds; ASPHALT
- Pennsylvania** : The following components are listed: GRAPHITE; ZINC COMPOUNDS; ASPHALT
- Illinois** : None of the components are listed.

### **Inventory list**

- Australia inventory (AIC)** : All components are listed or exempted.
- Canada inventory (DSL-NDSL)** : All components are listed or exempted.
- China inventory (IECSC)** : All components are listed or exempted.
- Japan inventory (CSCL)** : All components are listed or exempted.
- Japan inventory (Industrial Safety and Health Act)** : At least one component is not listed.
- New Zealand Inventory of Chemicals (NZIoC)** : All components are listed or exempted.
- Philippines inventory (PICCS)** : At least one component is not listed.
- Korea inventory (KECI)** : At least one component is not listed.
- Taiwan Chemical Substances Inventory (TCSI)** : All components are listed or exempted.
- United States inventory (TSCA 8b)** : All components are active or exempted.

## Section 16. Other information

### **Hazardous Material Information System (U.S.A.)**

Health	/	2
Flammability		1
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

## Section 16. Other information

### [National Fire Protection Association \(U.S.A.\)](#)



### [Procedure used to derive the classification](#)

Classification	Justification
SKIN SENSITIZATION - Category 1	Calculation method

### [New Jersey Right to Know Disclosure](#)

Name	CAS #
grease graphite zinc dialkyl dithiophosphate asphalt (petroleum)	7782-42-5 68457-79-4 8052-42-4

### [History](#)

**Date of issue/Date of revision** : 16 August 2024

**Date of previous issue** : 16 July 2024

**Version** : 0.07

**Key to abbreviations** : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
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  
UN = United Nations

**References** : Not available.

Indicates information that has changed from previously issued version.

**Product code** : 2015A020R530\_1166983

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