# SAFETY DATA SHEET

NO-TOX FOOD GRADE SYNTHETIC EXTREME PRESSURE GREASE 2

## Section 1. Identification

**GHS product identifier** : NO-TOX FOOD GRADE SYNTHETIC EXTREME PRESSURE GREASE 2

**Product code** : 301319150235

**Other means of identification** : Not available.

**Product type** : Liquid.

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

**Identified uses**

Not applicable.

**Uses advised against**

Not applicable.

**Supplier's details** : Calumet Branded Products, LLC
1060 N Capitol Ave Suite 6-401
Indianapolis, IN 46204
USA
Technical Services:317-328-5660

**Emergency telephone number (with hours of operation)** : 24 hr. CHEMTREC 1-800-424-9300 / International 1-703-527-3887

## 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** : AQUATIC HAZARD (ACUTE) - Category 3
AQUATIC HAZARD (LONG-TERM) - Category 3

Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 3%

**GHS label elements**

**Signal word** : No signal word.

**Hazard statements** : Harmful to aquatic life with long lasting effects.

**Precautionary statements**

**Prevention** : Avoid release to the environment.

**Response** : Not applicable.

**Storage** : Not applicable.

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

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

**Hazards identified when used** : No known significant effects or critical hazards.

# Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

**Other means of identification** : Not available.

| Ingredient name | Synonyms | % | Identifiers |
|---|---|---|---|
| Dec-1-ene, homopolymer, hydrogenated | Dec-1-ene, oligomers, hydrogenated; 1-Decene, homopolymer, hydrogenated; Hydrogenated polydecene; E 907; hydrogenated poly-1-decene; hydrogenated polydec-1-ene; hydrogenated poly-alpha-olefin; 1-Decene, hydrogenated; Hydrogenated decene homopolymer; Hydrogenation reaction products of polymer of dec-1-ene; Hydrogenated polymer of dec-1-ene; Hydrogenated alpha-olefin (C4-14) oligomer (2-23); Hydrogenated alpha-olefin (C4-10) oligomer (3-23); HOMOPOLYMER, DECENE HYDROGENATED | ≥45 - ≤70 | CAS: 68037-01-4 |
| Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene) | Butene, homopolymer; Polybutene; polybutenes; butene homopolymer; Butene; Polymer of butene; Polybutylene; POLYBUTENE POLYMER | ≥10 - ≤30 | CAS: 9003-29-6 |
| (benzoato-O,O')hydroxy(octadecanoato-O,O')aluminium | Aluminum, (benzoato-.kappa.O,.kappa.O')hydroxy(octadecanoato-.kappa.O,.kappa.O')-; Aluminum, (benzoato-O,O')hydroxy (octadecanoato-O,O')-; Aluminium, (benzoato-O,O') hydroxy(octadecanoato-O,O')-; Aluminium hydroxide benzoate stearate; Aluminum hydroxide benzoate stearate; (Benzoato-kappaO,kappaO')hydroxy (octadecanoato-kappaO,kappaO') aluminum; Basic aluminum-benzoic acid-fatty acid (C14-22) chelate; Hydroxyaluminum benzoate stearate; (Benzoato-κOκO')hydroxy(octadecanoato-κO,κO')aluminum | ≥5 - ≤10 | CAS: 54326-11-3 |
| White mineral oil (petroleum) | White mineral oil, petroleum; White spirits; Mineral oil; Paraffin oil; WHITE MINERAL OIL; Paraffinum liquidum; mineral oils (lubricant, base oils, and derived products) (general: 8002-05-9) (untreated vacuum distillates; acid-treated oils; aromatic oils; mildly solvent-refined oils; mildly hydro-treated oils; used gasoline-engine oil; and mineral oils used in mulespinning, metal machining, | ≥3 - ≤7 | CAS: 8042-47-5 |

# Section 3. Composition/information on ingredients

| | | | |
|---|---|---|---|
| | and jute processing); OILS, WHITE MINERAL, PETROLEUM; petroleum mineral oil; LIGHT MINERAL OIL | | |
| zinc oxide | CI 77947; Zinc oxide fume; Zinc peroxide; Zinc, oxide Fume; ZINC OXIDE (ZNO); FLOWERS OF ZINC; zinc oxide, nanoparticles, uncoated; zinc oxide, nanoparticles, coated with [3-(methacryloxy)propyl] trimethoxysilane; C.I. Pigment White 4; Zinc monoxide; Zinc white | ≥0.5 - ≤1.5 | CAS: 1314-13-2 |
| silicon dioxide | Silica; Acticel; Colloidal silica; Colloidal silicon dioxide; Silicon oxide; SOLUM DIATOMEAE; Silica, amorphous (Diatomaceous earth, purified); Fumed silica; silicon dioxide, chemically prepared; balls of porous white silica of a particle size of more than 1 µm for use in the manufacture of cosmetic products; silicon dioxide in the form of powder, for use in the manufacture of high performance liquid chromatography columns (HPLC) and sample preparation cartridges | ≥0.5 - ≤1.5 | CAS: 7631-86-9 |
| 1H-Benzotriazole-1-methanamine, N,N-bis (2-ethylhexyl)-ar-methyl- | Reomet 39; N,N-bis(2-ethylhexyl)-ar-methyl-1H-Benzotriazole-1-methanamine; N-[(ar-Methyl-1H-benzotriazole-1-yl)methyl]bis (2-ethylhexyl)amine; Bis (2-ethylhexyl)[(4-methyl-1H-benzotriazol-1-yl)methyl]amine; Bis(2-ethylhexyl)[(5-methyl-1H-benzotriazol-1-yl)methyl]amine; BENZOTRIAZOLE(1H) -1-METHANAMINE, N,N'-BIS(2-ETHYLHEXYL)-ARYL-METHYL-; DERIVATIVE, TRIAZOLE; N,N-BIS(2-ETHYLHEXYL)-METHYL-1H-BENZOTRIAZOLE-1-METHANAMINE | ≥0.1 - ≤1 | CAS: 94270-86-7 |

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. Get medical attention if irritation occurs.

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**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.

## 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** : No known significant effects or critical hazards.

**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** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**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** : In a fire or if heated, a pressure increase will occur and the container may burst. 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 thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
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). Water polluting material. May be harmful to the environment if released in large quantities.

## Methods and materials for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

# Section 7. Handling and storage

## Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. 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.

**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

# Section 8. Exposure controls/personal protection

| Ingredient name | Exposure limits |
|---|---|
| Dec-1-ene, homopolymer, hydrogenated | None. |
| Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene) | None. |
| (benzoato-O,O')hydroxy(octadecanoato-O,O')aluminium | **NIOSH REL (United States, 10/2020) [aluminum soluble salts and alkyls]**<br>TWA 10 hours: 2 mg/m³ (as Al).<br>**CAL OSHA PEL (United States, 1/2025) [aluminum soluble salts]**<br>TWA 8 hours: 2 mg/m³.<br>**OSHA PEL 1989 (United States, 3/1989) [Aluminum (as Al) Metal, Soluble salts]**<br>TWA 8 hours: 2 mg/m³ (as Al). |
| White mineral oil (petroleum) | **NIOSH REL (United States, 10/2020) [OIL MIST MINERAL]**<br>TWA 10 hours: 5 mg/m³. Form: Mist.<br>STEL 15 minutes: 10 mg/m³. Form: Mist.<br>**OSHA PEL (United States, 5/2018) [Oil mist, mineral]**<br>TWA 8 hours: 5 mg/m³.<br>**ACGIH TLV (United States, 1/2025) [Mineral Oil, pure, highly and severely refined]** A4.<br>TWA 8 hours: 5 mg/m³. Form: Inhalable fraction. |
| zinc oxide | **NIOSH REL (United States, 10/2020)**<br>TWA 10 hours: 5 mg/m³. Form: Dust and fumes.<br>STEL 15 minutes: 10 mg/m³. Form: Fume.<br>CEIL: 15 mg/m³. Form: Dust.<br>**CAL OSHA PEL (United States, 1/2025)**<br>TWA 8 hours: 5 mg/m³. Form: respirable fraction.<br>TWA 8 hours: 10 mg/m³. Form: total dust.<br>STEL 15 minutes: 10 mg/m³. Form: fumes.<br>TWA 8 hours: 5 mg/m³. Form: fumes.<br>**OSHA PEL (United States, 5/2018)**<br>TWA 8 hours: 15 mg/m³. Form: Total dust.<br>TWA 8 hours: 5 mg/m³. Form: Respirable fraction.<br>TWA 8 hours: 5 mg/m³. Form: Fume.<br>**OSHA PEL 1989 (United States, 3/1989) [Zinc oxide fume]**<br>TWA 8 hours: 5 mg/m³. Form: Fume.<br>STEL 15 minutes: 10 mg/m³. Form: Fume.<br>**OSHA PEL 1989 (United States, 3/1989) [Zinc oxide]**<br>TWA 8 hours: 10 mg/m³. Form: Total dust.<br>TWA 8 hours: 5 mg/m³. Form: Respirable fraction.<br>**ACGIH TLV (United States, 1/2025)**<br>TWA 8 hours: 2 mg/m³. Form: Respirable fraction.<br>STEL 15 minutes: 10 mg/m³. Form: Respirable fraction. |
| silicon dioxide | **NIOSH REL (United States, 10/2020) [SILICA, AMORPHOUS]** NIA.<br>TWA 10 hours: 6 mg/m³. |
| 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-ar-methyl- | None. |

**Biological exposure indices**

# Section 8. Exposure controls/personal protection

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, 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. 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.

**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.

**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** : Liquid. [Viscous liquid.]

**Color** : Not available.

**Odor** : Not available.

**Odor threshold** : Not available.

**pH** : Not available.

**Melting point/freezing point** : 1975°C (3587°F)

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

**Flash point** : Closed cup: >100°C (>212°F)

**Evaporation rate** : Not available.

**Flammability** : Not available.

# Section 9. Physical and chemical properties

**Lower and upper explosion limit/flammability limit** : Not available.

**Vapor pressure** :

| Ingredient name | Vapor Pressure at 20°C | | | Vapor pressure at 50°C | | |
|---|---|---|---|---|---|---|
| | mm Hg | kPa | Method | mm Hg | kPa | Method |
| Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene) | 5.10043 | 0.68 | | 13.05111 | 1.7 | |

**Relative vapor density** : Not available.

**Relative density** : 0.85

**Solubility(ies)** :

| Media | Result |
|---|---|
| cold water | Not soluble |
| hot water | Not soluble |

**Solubility in water** : Not available.

**Partition coefficient: n-octanol/water** : Not applicable.

**Auto-ignition temperature** :

| Ingredient name | °C | °F | Method |
|---|---|---|---|
| Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene) | 215 | 419 | EU A.15 |

**Decomposition temperature** : Not available.

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

**Particle characteristics**

**Median particle size** : Not applicable.

# 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.

**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**

# Section 11. Toxicological information

| | |
|---|---|
| Dec-1-ene, homopolymer, hydrogenated | **Rat - Oral - LD50**<br>>5000 mg/kg<br>**Rat - Dermal - LD50**<br>>2000 mg/kg<br>**Rat - Inhalation - LC50 Dusts and mists**<br>>5.2 mg/l [4 hours] |
| Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene) | **Rat - Oral - LD50**<br>>34600 mg/kg<br>**Rabbit - Dermal - LD50**<br>>10250 mg/kg |
| White mineral oil (petroleum) | **Rat - Oral - LD50**<br>>5000 mg/kg<br>**Rabbit - Dermal - LD50**<br>>2000 mg/kg<br>**Rat - Inhalation - LC50 Dusts and mists**<br>>5 mg/l [4 hours] |
| zinc oxide | **Rat - Dermal - LD50**<br>2000 mg/kg<br>**Rat - Oral - LD50**<br>2000 to 5000 mg/kg<br>**Rat - Inhalation - LC50 Vapor**<br>1.79 to 5.7 mg/l [4 hours] |
| 1H-Benzotriazole-1-methanamine, N,N-bis (2-ethylhexyl)-ar-methyl- | **Rat - Oral - LD50**<br>3300 mg/kg<br>**Rat - Dermal - LD50**<br>>2000 mg/kg |

**Conclusion/Summary [Product]** : Not available.

## Skin corrosion/irritation

| Product/ingredient name | Result |
|---|---|
| zinc oxide | **Rabbit - Skin - Mild irritant**<br>Duration of treatment/exposure: 24 hours<br>Amount/concentration applied: 500 mg |

**Conclusion/Summary [Product]** : Not available.

## Serious eye damage/eye irritation

| Product/ingredient name | Result |
|---|---|
| silicon dioxide | **Rabbit - Eyes - Mild irritant**<br>Duration of treatment/exposure: 24 hours<br>Amount/concentration applied: 25 mg |

**Conclusion/Summary [Product]** : Not available.

## Respiratory corrosion/irritation

Not available.

**Conclusion/Summary [Product]** : Not available.

## Respiratory or skin sensitization

Not available.

### Skin

# Section 11. Toxicological information

**Conclusion/Summary [Product]** : Not available.

| Ingredient name | Conclusion/Summary |
|---|---|
| Dec-1-ene, homopolymer, hydrogenated | Not sensitizing |

**Respiratory**

**Conclusion/Summary [Product]** : Not available.

**Germ cell mutagenicity**

Not available.

**Conclusion/Summary [Product]** : Not available.

**Carcinogenicity**

Not available.

**Conclusion/Summary [Product]** : Not available.

**Classification**

| Product/ingredient name | OSHA | IARC | NTP |
|---|---|---|---|
| silicon dioxide | - | 3 | - |

**Reproductive toxicity**

Not available.

**Conclusion/Summary [Product]** : Not available.

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

Not available.

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

Not available.

**Aspiration hazard**

| Product/ingredient name | Result |
|---|---|
| Dec-1-ene, homopolymer, hydrogenated | ASPIRATION HAZARD - Category 1 |
| Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene) | ASPIRATION HAZARD - Category 1 |

**Information on the likely routes of exposure**

Not available.

**Potential acute health effects**

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** : No specific data.

# Section 11. Toxicological information

**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

Not available.

**Conclusion/Summary [Product]** : Not available.

**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.

## Numerical measures of toxicity

### Acute toxicity estimates

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|---|---|---|---|---|---|
| NO-TOX FOOD GRADE SYNTHETIC EXTREME PRESSURE GREASE 2 | 27408.9 | 24105.4 | N/A | N/A | N/A |
| Dec-1-ene, homopolymer, hydrogenated | N/A | 2500 | N/A | N/A | N/A |
| (benzoato-O,O')hydroxy(octadecanoato-O,O') aluminium | 2500 | 2500 | N/A | N/A | N/A |
| White mineral oil (petroleum) | N/A | 2500 | N/A | N/A | N/A |
| zinc oxide | 2500 | 2000 | N/A | N/A | N/A |
| 1H-Benzotriazole-1-methanamine, N,N-bis (2-ethylhexyl)-ar-methyl- | 3300 | 2500 | N/A | N/A | N/A |

# Section 12. Ecological information

## Toxicity

| Product/ingredient name | Result |
|---|---|
| Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene) | **Acute - EC50**<br>Daphnia<br>>1000 mg/l [48 hours]<br>**Acute - LC50**<br>Fish<br>>1000 mg/l [96 hours] |
| White mineral oil (petroleum) | **Acute - LC50**<br>Fish<br>>10000 mg/l [96 hours] |

# Section 12. Ecological information

| | |
|---|---|
| | **Acute - LC50**<br>Daphnia<br>>100 mg/l [48 hours] |
| zinc oxide | **Acute - LC50 - Fresh water**<br>US EPA<br>Fish - Rainbow trout,donaldson trout - *Oncorhynchus mykiss*<br>Weight: 0.78 g<br>1.1 ppm [96 hours]<br>Effect: Mortality |
| | **Acute - EC50 - Fresh water**<br>OECD<br>Daphnia - Water flea - *Daphnia magna* - Neonate<br>Age: <24 hours<br>0.481 mg/l [48 hours]<br>Effect: Intoxication |
| | **Acute - IC50 - Fresh water**<br>Algae - Green algae - *Raphidocelis subcapitata* - Exponential growth phase<br>46 µg/l [72 hours]<br>Effect: Population |
| silicon dioxide | **Acute - EC50 - Fresh water**<br>ISO<br>Daphnia - Water flea - *Daphnia magna* - Neonate<br>Age: 2 to 26 hours<br>2.2 g/l [48 hours]<br>Effect: Intoxication |
| | **Chronic - NOEC - Fresh water**<br>ISO<br>Daphnia - Water flea - *Daphnia magna* - Neonate<br>Age: 2 to 26 hours<br>12.5 mg/l [21 days]<br>Effect: Reproduction |
| 1H-Benzotriazole-1-methanamine, N,N-bis (2-ethylhexyl)-ar-methyl- | **Acute - LC50**<br>Fish - *Brachydanio rerio*<br>1.3 mg/l [96 hours] |
| | **Acute - EC50**<br>Daphnia<br>2.05 mg/l [48 hours] |
| | **Acute - EC50**<br>OECD [Alga, Growth Inhibition Test]<br>Aquatic plants<br>0.976 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 |
|---|---|---|---|
| Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene) | - | - | Not readily |
| White mineral oil (petroleum) | - | - | Inherent |

## Bioaccumulative potential

## Section 12. Ecological information

| Product/ingredient name | $LogP_{ow}$ | BCF | Potential |
|---|---|---|---|
| Dec-1-ene, homopolymer, hydrogenated | >6.5 | - | High |
| Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene) | 7.6 to 7.8 | 314 to 1882 | High |
| White mineral oil (petroleum) | >6 | - | High |
| zinc oxide | - | 28960 | 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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. 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 regulated. | Not regulated. | Not regulated. | Not regulated. |
| **UN proper shipping name** | - | - | - | - | - |
| **Transport hazard class(es)** | - | - | - | - | - |
| **Packing group** | - | - | - | - | - |
| **Environmental hazards** | No. | No. | No. | No. | No. |

**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 5(a)2 final significant new use rules**: Perfluorooctanoic acid

**TSCA 8(a) PAIR**: diphenylamine

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

**TSCA 8(d) H and S data reporting**: ethylbenzene; styrene

**Clean Water Act (CWA) 307**: zinc oxide; chlorocresol

**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 |
|---|---|---|
| Dec-1-ene, homopolymer, hydrogenated | ≥45 - ≤70 | ASPIRATION HAZARD - Category 1 |
| Butene, homopolymer (products derived from either/or But-1-ene/ But-2-ene) | ≥10 - ≤30 | ASPIRATION HAZARD - Category 1 |
| zinc oxide | ≥0.5 - ≤1.5 | ACUTE TOXICITY (dermal) - Category 4 |
| silicon dioxide | ≥0.5 - ≤1.5 | EYE IRRITATION - Category 2B |

**SARA 313**

| | Product name | CAS number | % |
|---|---|---|---|
| **Form R - Reporting requirements** | zinc oxide | 1314-13-2 | ≥0.5 - ≤1.5 |
| **Supplier notification** | zinc oxide | 1314-13-2 | ≥0.5 - ≤1.5 |

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; ZINC OXIDE FUME; silica, amorphous

**New York** : None of the components are listed.

**New Jersey** : The following components are listed: ZINC OXIDE

**Pennsylvania** : The following components are listed: ZINC OXIDE FUME; SILICA

**California Prop. 65**

This product does not require a Safe Harbor warning under California Prop. 65.

# Section 15. Regulatory information

## 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** : At least one component is not listed in DSL but all such components are listed in NDSL.

**China** : All components are listed or exempted.

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

**Japan** : **Japan inventory (CSCL)**: All components are listed or exempted.
**Japan inventory (ISHL)**: Not determined.

**New Zealand** : All components are listed or exempted.

**Philippines** : Not determined.

**Republic of Korea** : Not determined.

**Taiwan** : All components are listed or exempted.

**Thailand** : Not determined.

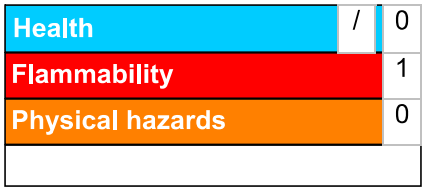
**Turkey** : Not determined.

**United States** : All components are active or exempted.

**Viet Nam** : Not determined.

# Section 16. Other information

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




**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.**

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




## Procedure used to derive the classification

# Section 16. Other information

| Classification | Justification |
|---|---|
| AQUATIC HAZARD (ACUTE) - Category 3<br>AQUATIC HAZARD (LONG-TERM) - Category 3 | Calculation method<br>Calculation method |

## History

**Date of printing** : 1/23/2026

**Date of issue/Date of revision** : 1/23/2026

**Date of previous issue** : 8/4/2025

**Version** : 9

**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.**

## Notice to reader

**To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.**
**Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**