SAFETY DATA SHEET



SYNCHROMAX

| Section 1. Identification GHS product identifier : SYNCHROMAX Product code : 301889175117 Other means of : Not available. identification | |
|--|-----------|
| Product code : 301889175117 Other means of : Not available. identification | |
| Other means of is Not available. identification Product type : Liquid. Relevant identified uses of the substance or mixture and uses advised against Identified uses Consumer products: Lubricating Oil Industrial applications: Lubricating Oil Uses advised against None known. Supplier's details : Calumet Branded Products, LLC 2780 Waterfront Pkwy E. Drive Suite 200 Indianapolis, IN 46214 USA Technical Services:317-328-5660 Emergency telephone is 24 hr. CHEMTREC 1-800-424-9300 / International 1-703-527-3887 number Section 2. Hazards identification OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Commun Standard (29 CFR 1910.1200), this SDS contains valuable information critical to asafe handling and proper use of the product. This SDS should be retained and for employees and other users of this product. Classification of the substance or mixture : MQUATIC HAZARD (ACUTE) - Category 3 GHS label elements | |
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| Identified uses Consumer products: Lubricating Oil Industrial applications: Lubricating Oil Uses advised against Reason None known. Supplier's details : Calumet Branded Products, LLC 2780 Waterfront Pkwy E. Drive Suite 200 Indianapolis, IN 46214 USA Technical Services:317-328-5660 Emergency telephone number : 24 hr. CHEMTREC 1-800-424-9300 / International 1-703-527-3887 Section 2. Hazards identification OSHA/HCS status OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Commun Standard (29 CFR 1910.1200), this SDS contains valuable information critical to safe handling and proper use of the product. This SDS should be retained and for employees and other users of this product. Classification of the substance or mixture : MQUATIC HAZARD (ACUTE) - Category 3 AQUATIC HAZARD (LONG-TERM) - Category 3 | |
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| Industrial applications: Lubricating Oil Reason Values advised against Reason None known. Image: Supplier's details : Calumet Branded Products, LLC 2780 Waterfront Pkwy E. Drive Suite 200 Indianapolis, IN 46214 USA Technical Services:317-328-5660 Emergency telephone number : 24 hr. CHEMTREC 1-800-424-9300 / International 1-703-527-3887 Section 2. Hazards identification OSHA/HCS status OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Commun Standard (29 CFR 1910.1200), this SDS contains valuable information critical to safe handling and proper use of the product. This SDS should be retained and for employees and other users of this product. Classification of the substance or mixture : MQUATIC HAZARD (ACUTE) - Category 3 AQUATIC HAZARD (LONG-TERM) - Category 3 | |
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| | |
| | |
| | |
| | |
| Signal word : No signal word. | |
| Hazard statements : Harmful to aquatic life with long lasting effects. | |
| Precautionary statements | |
| General : Read label before use. Keep out of reach of children. If medical advice is need product container or label at hand. | led, have |
| Prevention : Kvoid release to the environment. | |
| Response : Not applicable. | |
| Storage : Not applicable. | |
| Disposal : Dispose of contents and container in accordance with all local, regional, national international regulations. | |
| Hazards not otherwise : None known. classified | ıl and |

: 12/14/2022 Date of previous issue

:03/17/2022

Section 3. Composition/information on ingredients

Substance/mixture Other means of identification

- : Mixture
- : Not available.

| Ingredient name | % | CAS number |
|--|-----------|------------|
| Dec-1-ene, trimers, hydrogenated | ≥25 - ≤50 | 68037-01-4 |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based | ≤2.1 | 72623-86-0 |
| Distillates (petroleum), hydrotreated light paraffinic | ≤1.7 | 64742-55-8 |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | ≤1.7 | 72623-87-1 |
| Alkyl Phosphites | <1 | Trd Secret |

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346

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. 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 | Mush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| Ingestion | : ₩ash 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/e | effects, acute and delayed |
|---------------------------------|---|
| Potential acute health effect | <u>cts</u> |
| 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. |
| <u>Over-exposure signs/symp</u> | <u>otoms</u> |
| Eye contact | : No specific data. |
| Inhalation | : No specific data. |
| Skin contact | : No specific data. |
| Ingestion | : No specific data. |
| | |
| Indication of immediate mee | dical 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 | : \mathbf{M} o action shall be taken involving any personal risk or without suitable training. |
| | |

| Date of issue/Date of revision | : 12/14/2022 | Date of previous issue | :03/17/2022 | Version : 5 | 2/12 |
|--------------------------------|--------------|------------------------|-------------|-------------|------|
| | | | | | |

Section 4. First aid measures

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 nitrogen oxides sulfur 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, protect | tiv | e 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 co | nta | ainment and cleaning up |
| Small spill | : | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry 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. 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 (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |

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

| Ingredient name | Exposure limits |
|--|---|
| Dec-1-ene, trimers, hydrogenated | None. |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based | OSHA PEL (United States, 5/2018). [Oil |
| | mist, mineral] |
| | TWA: 5 mg/m ³ 8 hours. |
| | ACGIH TLV (United States, 1/2022). |
| | [Mineral Oil, pure, highly and severely |
| | refined] |
| | TWA: 5 mg/m ³ 8 hours. Form: Inhalable |
| | fraction |
| | NIOSH REL (United States, 10/2020). [OIL |
| | MIST MINERAL] |
| | TWA: 5 mg/m ³ 10 hours. Form: Mist |
| | STEL: 10 mg/m ³ 15 minutes. Form: Mist |
| Distillates (petroleum), hydrotreated light paraffinic | OSHA PEL (United States, 5/2018). [Oil |
| | mist, mineral] |
| | TWA: 5 mg/m ³ 8 hours. |
| | ACGIH TLV (United States, 1/2022). |
| | [Mineral Oil, pure, highly and severely |
| | refined] |
| | TWA: 5 mg/m ³ 8 hours. Form: Inhalable |
| | fraction |
| | NIOSH REL (United States, 10/2020). [OIL |
| | MIST MINERAL] |
| | TWA: 5 mg/m ³ 10 hours. Form: Mist |
| | STEL: 10 mg/m ³ 15 minutes. Form: Mist |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | NIOSH REL (United States, 10/2020). [OIL |
| | MIST MINERAL] |
| | TWA: 5 mg/m ³ 10 hours. Form: Mist |
| | STEL: 10 mg/m ³ 15 minutes. Form: Mist |
| Alkyl Phosphites | ACGIH TLV (United States). |
| | TWA: 5 mg/m³, (Mist) |
| | STEL: 10 mg/m ³ , (Mist) |

Section 8. Exposure controls/personal protection

None 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 measur | res | |
| 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 | 1 | 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 and safety characteristics

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

| <u>Appearance</u> | |
|---|--|
| Physical state | : Liquid. |
| Color | : Purple. |
| Odor | : Odorless. |
| Odor threshold | : Not available. |
| рН | : Not available. |
| Melting point/freezing point | : Not available. |
| Boiling point, initial boiling point, and boiling range | : Not available. |
| Flash point | : Øpen cup: 232.22°C (450°F) [Cleveland] |
| Evaporation rate | : Not available. |
| Flammability | : Not available. |

SYNCHROMAX

Section 9. Physical and chemical properties and safety characteristics

Lower and upper explosion : Not available. limit/flammability limit Vapor pressure

| | Vapo | r Pressure at 20°C | | V | Vapor pressure at 50° | | |
|--|------------------------|--------------------|-------------------|------------|-----------------------|--------|--|
| Ingredient name | mm Hg | kPa | Method | mm Hg | kPa | Method | |
| sulphur dioxide | 2475.2 | 330 | | | | | |
| benzene | 75.01 | 10 | | | | | |
| JAYFLEX DIDP | 0.08 | 0.011 | | | | | |
| White mineral oil (petroleum) | 0.08 | 0.011 | OECD 104 | | | | |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil- based | <0.08 | <0.011 | ASTM D 519 | 91 | | | |
| Distillates (petroleum), hydrotreated light paraffinic | <0.08 | <0.011 | ASTM D 519 | 91 | | | |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil- based | <0.08 | <0.011 | ASTM D 519 | 91 | | | |
| naphthalene | 0.054 | 0.0072 | OECD 104 | | | | |
| Solvent naphtha (petroleum), heavy arom. | 0.02 | 0.0027 | | | | | |
| Dec-1-ene, trimers, hydrogenated | 0.00000002 | 2 0.0000000027 | EU A.4 | | | | |
| Dec-1-ene, homopolymer, hydrogenated | 0 | 0 | ASTM E 1194-87 | | | | |
| 4,4'-methylene bis (dibutyldithiocarbamate) | <0 | <0 | | | | | |
| Not available. | | | | | | | |
| 0.8421 | | | | | | | |
| Media | R | esult | | | | | |
| cold water hot water | t soluble t soluble | | | | | | |
| Not available. | | | | | | | |
| Not applicable. | | | | | | | |
| | | | | | | | |
| Ingredient name | °C | °F | | Method | | | |
| Solvent naphtha (petroleu arom. | 220 to 2 | 50 428 t | o 482 | ASTM E 659 | | | |
| White mineral oil (petrole | 325 to 3 | 55 617 t | o 671 | ASTM E 659 | | | |
| Dec-1-ene, homopolymer hydrogenated | , | 343 to 3 | 69 649.4 | to 696.2 | ASTM D 215 | 9 | |
| JAYFLEX DIDP | | >400 | >752 | | | | |
| 1. | | 100 | | | | | |

Solubility in water Partition coefficient: noctanol/water

Relative vapor density

Relative density Solubility(ies)

Auto-ignition temperature

| Decomposition temperature | : |
|---------------------------|---|
| Viscosity | 1 |
| Flow time (ISO 2431) | : |
| Pour point | 1 |

Kinematic (40°C (104°F)): 37 mm²/s (37 cSt)

Not available.

√54°C (-65.2°F)

benzene

naphthalene

Not available.

928.4

978.8 to 1088.6 DIN 51794

498

526 to 587

Section 9. Physical and chemical properties and safety characteristics

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 | Species | Dose | Exposure |
|--|---------------------------------|---------|-------------|----------|
| Dec-1-ene, trimers, hydrogenated | LD50 Oral | Rat | >2000 mg/kg | - |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based | LC50 Inhalation Dusts and mists | Rat | >5.53 mg/l | 4 hours |
| | LD50 Dermal | Rabbit | >2000 mg/kg | - |
| | LD50 Oral | Rat | >5000 mg/kg | - |
| Distillates (petroleum), hydrotreated light paraffinic | LC50 Inhalation Dusts and mists | Rat | >5.53 mg/l | 4 hours |
| | LD50 Dermal | Rabbit | >2000 mg/kg | - |
| | LD50 Oral | Rat | >5000 mg/kg | - |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | LD50 Dermal | Rabbit | >2000 mg/kg | - |
| | LD50 Oral | Rat | >5000 mg/kg | - |
| Alkyl Phosphites | LD50 Dermal | Rabbit | >500 mg/kg | - |
| | LD50 Oral | Rat | >2000 mg/kg | - |

Irritation/Corrosion

Not available.

Sensitization

| Product/ingredient name | Route of exposure | Species | Result |
|--|-------------------|------------|-------------|
| In the second secon | skin | Guinea pig | Sensitizing |

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Section 11. Toxicological information

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

| Name | | Result | | |
|---|--|--|--|--|
| Dec-1-ene, trimers, hydro Lubricating oils (petroleur Distillates (petroleum), hy Alkyl Phosphites | n), C15-30, hydrotreated neutral oil-based | ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 | | |
| Information on the likely routes of exposure | : Not available. | | | |
| Potential acute health eff | ects | | | |
| Eye contact | : No known significant effects or critic | al hazards. | | |
| Inhalation | : No known significant effects or critic | al hazards. | | |
| Skin contact | : 📈 known significant effects or critic | al hazards. | | |
| Ingestion | : No known significant effects or critic | al hazards. | | |
| Symptoms related to the | physical, chemical and toxicological cha | racteristics | | |
| Eye contact | : No specific data. | | | |
| Inhalation | : No specific data. | | | |
| Skin contact | : No specific data. | | | |
| Ingestion | : No specific data. | · | | |
| Delayed and immediate e | ffects and also chronic effects from shor | t and long term exposure | | |
| Short term exposure | | | | |
| Potential immediate effects | : Not available. | | | |
| Potential delayed effec | ts : Not available. | | | |
| Long term exposure | | | | |
| Potential immediate effects | : Not available. | | | |
| Potential delayed effec | ts : Not available. | | | |
| Potential chronic health | <u>effects</u> | | | |
| Not available. | | | | |
| General | : 📈 known significant effects or critic | al hazards. | | |
| Carcinogenicity | : No known significant effects or critic | al hazards. | | |
| Mutagenicity | : No known significant effects or critic | al hazards. | | |
| Reproductive toxicity | : No known significant effects or critic | al hazards. | | |
| Numerical measures of to | oxicity | | | |
| | | | | |

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/ I) |
|--|------------------|-------------------|--------------------------------|----------------------------------|---|
| Max ATF HF | 3393.9 | 7254.2 | N/A | N/A | N/A |
| Dec-1-ene, trimers, hydrogenated | 2500 | N/A | N/A | N/A | N/A |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based | N/A | 2500 | N/A | N/A | N/A |
| Distillates (petroleum), hydrotreated light paraffinic | N/A | 2500 | N/A | N/A | N/A |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | N/A | 2500 | N/A | N/A | N/A |
| Alkyl Phosphites | 2500 | 300 | N/A | N/A | N/A |

Section 12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure | |
|--|--------------------------------------|----------------|----------------------------------|--|
| Dec-1-ene, trimers, hydrogenated | Acute NOEC 2 mg/l (similar material) | Micro-organism | 28 days (similar material) | |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based | Acute EC50 >100 mg/l | Algae | 72 hours | |
| | Acute EC50 >100 mg/l | Daphnia | 48 hours | |
| | Acute LC50 >100 mg/l | Fish | 96 hours | |
| Distillates (petroleum), hydrotreated light paraffinic | Acute EC50 >100 mg/l | Algae | 72 hours | |
| | Acute EC50 >100 mg/l | Daphnia | 48 hours | |
| | Acute LC50 >100 mg/l | Fish | 96 hours | |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | Acute EC50 >100 mg/l | Algae | 72 hours | |
| | Acute EC50 >100 mg/l | Crustaceans | 48 hours | |
| | Acute LC50 >100 mg/l | Fish | 96 hours | |
| Alkyl Phosphites | Acute EC50 0.09 mg/l | Daphnia | 48 hours | |
| | Acute LC50 1.5 mg/l Fresh water | Fish | 96 hours | |
| | Acute NOEC 0.13 mg/l | Algae | 72 hours | |

Persistence and degradability

| Product/ingredient name | Test | Result | | Dose | Inoculum |
|---|--|--|------------|--------------|-----------------------|
| Alkyl Phosphites | - OECD 301B Ready Biodegradability - CO ₂ Evolution Test | 52.9 % - Not readily 52.9 % - Not readily | | - 10 mg/l | - Activated sludge |
| Product/ingredient name | Aquatic half-life | | Photolysis | ; | Biodegradability |
| Dec-1-ene, trimers, hydrogenated | - | | - | | Not readily |
| Distillates (petroleum), | - | | - | | Inherent |
| hydrotreated light paraffinic Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | - | | - | | Inherent |
| Alkyl Phosphites | - | | - | | Not readily |

Section 12. Ecological information

Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|--|--------|-----|-----------|
| Sec-1-ene, trimers, hydrogenated | >6.5 | - | high |
| Distillates (petroleum), hydrotreated light paraffinic | >6 | - | high |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | >6 | - | high |

Mobility in soil

| Soil/water partition | : Not available. |
|----------------------|------------------|
| coefficient (Koc) | |

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 | IMDG | ΙΑΤΑ |
|-----------|--------------------|--------------------|----------------|----------------|
| UN number | Not regulated. | Not regulated. | Not regulated. | Not regulated. |

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 : Not available. to IMO instruments

Section 15. Regulatory information

| U.S. Federal regulations | : FSCA 4(a) proposed test rules : methyl-1H-benzotriazole | | | | |
|---|--|--|--|--|--|
| | TSCA 8(a) PAIR: naphthalene | | | | |
| | TSCA 8(a) CDR Exempt/Partial exemption: Not determined | | | | |
| | TSCA 8(c) calls for record of SAR: trimethyl phosphate | | | | |
| | Clean Water Act (CWA) 307: benzene | | | | |
| | Clean Water Act (CWA) 311: benzene | | | | |
| Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) | : Listed | | | | |

Section 15. Regulatory information

| 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

| | | | SARA 302 TPQ | | SARA 304 RQ | |
|-----------------|------|------|--------------|-----------|-------------|-----------|
| Name | % | EHS | (lbs) | (gallons) | (lbs) | (gallons) |
| sulphur dioxide | ≤0.1 | Yes. | 500 | - | 500 | - |

SARA 304 RQ : 1/8518518.5 lbs / 8407407.4 kg [2637456.4 gal / 9983858.7 L]

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

| Name | % | Classification |
|---|-----------|--------------------------------|
| Dec-1-ene, trimers, hydrogenated | ≥25 - ≤50 | ASPIRATION HAZARD - Category 1 |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil- based | ≤2.1 | ASPIRATION HAZARD - Category 1 |
| Distillates (petroleum), hydrotreated light paraffinic | ≤1.7 | ASPIRATION HAZARD - Category 1 |

State regulations

Massachusetts

: The following components are listed: OIL MIST, MINERAL

New York

None of the components are listed.
None of the components are listed.

New Jersey Pennsylvania

: None of the components are listed.

California Prop. 65

▲ WARNING: This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. Information provided is based on industrial use and may not be relevant to consumer applications.

| Ingredient name | Concentration (%) | level | Maximum acceptable dosage level |
|-------------------------------|----------------------|-------|---------------------------------------|
| Benzene sulfur dioxide | 0.012 0.0027 | | Yes. Yes. |

International lists

| Date of issue/Date of revision | : 12/14/2022 Date of previous issue : 03/17/2022 Version : 5 | 11/12 |
|--------------------------------|--|-------|
| Taiwan | : All components are listed or exempted. | |
| Republic of Korea | : All components are listed or exempted. | |
| Philippines | : All components are listed or exempted. | |
| New Zealand | : At least one component is not listed. | |
| Eurasian Economic Union | : Russian Federation inventory: Not determined. | |
| China | : All components are listed or exempted. | |
| Canada | : All components are listed or exempted. | |
| Australia | : All components are listed or exempted. | |
| National inventory | | |

Section 15. Regulatory information

Thailand Turkey United States Viet Nam : Not determined.

: Not determined.

- : All components are active or exempted.
- : Not determined.

Section 16. Other information

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



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

| Classification Justification | | | | |
|--|--|-----------------|--|--|
| Clas | Justification | | | |
| AQUATIC HAZARD (ACUT AQUATIC HAZARD (LONG | Expert judgment Expert judgment | | | |
| | | Expert judgment | | |
| <u>History</u> | | | | |
| Date of issue/Date of revision | : 12/14/2022 | | | |
| Date of previous issue | : 03/17/2022 | | | |
| Version | : 5 | | | |
| Key to abbreviations | 5 ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International Air Transport Association IBC = 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 | | | |

✓ Indicates information that has changed from previously issued version.

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