

Section 1. Identification

GHS product identifier : FVP FULL SYNTHETIC MULTI-VEHICLE ATF QUART
Product code : ATFMVFS-QT
Other means of identification : Not available.
Product type : Liquid.

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

| | |
|-----------------------------|---------------|
| Identified uses | |
| Lubricating Oil Synthetic | |
| Uses advised against | Reason |
| None known. | |

Supplier's details : Factory Motor Parts
 1380 Corporate Center Curve, Suite 200
 Eagan, MN 55121
 866-387-3343

Emergency telephone number : INFOTRAC 1-800-535-5053

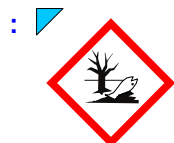
Section 2. Hazards identification

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 2
 AQUATIC HAZARD (LONG-TERM) - Category 2

GHS label elements

Hazard pictograms



Signal word : No signal word.

Hazard statements : Toxic to aquatic life with long lasting effects.

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Avoid release to the environment.

Response : Collect spillage.

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.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture
Other means of identification : Not available.

| Ingredient name | % | CAS number |
|--|-----------|-------------|
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | ≥75 - ≤90 | 72623-87-1 |
| Distillates (petroleum), hydrotreated heavy paraffinic | ≥75 - ≤90 | 64742-54-7 |
| Dec-1-ene, homopolymer, hydrogenated | ≥10 - ≤25 | 68037-01-4 |
| Distillates (petroleum), hydrotreated light paraffinic | ≤3 | 64742-55-8 |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based | ≤3 | 72623-86-0 |
| Distillates (petroleum), solvent-dewaxed light paraffinic | ≤3 | 64742-56-9 |
| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate | ≤3 | 125643-61-0 |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine | ≤3 | 68784-17-8 |
| 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** : 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.

Section 4. First aid measures

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.

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 toxic 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

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. Collect spillage.

Methods and materials for containment 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.

Section 6. Accidental release measures

- 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 |
|--|--|
| 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 |
| Distillates (petroleum), hydrotreated heavy paraffinic | ACGIH TLV (United States, 1/2023). [Mineral Oil, pure, highly and severely refined] TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction OSHA PEL (United States, 5/2018). [Oil mist, mineral] TWA: 5 mg/m ³ 8 hours. 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 |
| Dec-1-ene, homopolymer, hydrogenated Distillates (petroleum), hydrotreated light paraffinic | None. ACGIH TLV (United States, 1/2023). [Mineral Oil, pure, highly and severely refined] TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction OSHA PEL (United States, 5/2018). [Oil mist, mineral] TWA: 5 mg/m ³ 8 hours. |

Section 8. Exposure controls/personal protection

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based

NIOSH REL (United States, 10/2020). [OIL MIST MINERAL]

TWA: 5 mg/m³ 10 hours. Form: Mist
STEL: 10 mg/m³ 15 minutes. Form: Mist

ACGIH TLV (United States, 1/2023).

[Mineral Oil, pure, highly and severely refined]

TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction

OSHA PEL (United States, 5/2018). [Oil mist, mineral]

TWA: 5 mg/m³ 8 hours.

NIOSH REL (United States, 10/2020). [OIL MIST MINERAL]

TWA: 5 mg/m³ 10 hours. Form: Mist
STEL: 10 mg/m³ 15 minutes. Form: Mist

ACGIH TLV (United States, 1/2023).

[Mineral Oil, pure, highly and severely refined]

TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction

OSHA PEL (United States, 5/2018). [Oil mist, mineral]

TWA: 5 mg/m³ 8 hours.

NIOSH REL (United States, 10/2020). [OIL MIST MINERAL]

TWA: 5 mg/m³ 10 hours. Form: Mist
STEL: 10 mg/m³ 15 minutes. Form: Mist

None.

None.

ACGIH TLV (United States).

TWA: 5 mg/m³, (Mist)

STEL: 10 mg/m³, (Mist)

Distillates (petroleum), solvent-dewaxed light paraffinic

reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate
Isooctadecanoic acid, reaction products with tetraethylenepentamine
Alkyl Phosphites

Biological exposure indices

No exposure indices known.

Appropriate engineering controls

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

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, 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

Section 8. Exposure controls/personal 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 and safety characteristics

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

Appearance

- Physical state** : Liquid.
- Color** : Clear. Red.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point/freezing point** : Not available.
- Boiling point, initial boiling point, and boiling range** : Not available.
- Flash point** : Open cup: 230°C (446°F) [Cleveland]
- Evaporation rate** : Not available.
- Flammability** : Not available.
- 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 |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | <0.07501 | <0.01 | ASTM D 5191 | | | |

Relative vapor density : Not available.

Relative density : 0.845

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

Solubility in water : Not available.

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

| Ingredient name | °C | °F | Method |
|--------------------------------------|------------|----------------|-------------|
| Dec-1-ene, homopolymer, hydrogenated | 343 to 369 | 649.4 to 696.2 | ASTM D 2159 |

Decomposition temperature : Not available.

Section 9. Physical and chemical properties and safety characteristics

| | |
|---------------------------------|--|
| Viscosity | : Kinematic (40°C (104°F)): 28.22 mm ² /s (28.22 cSt) |
| Flow time (ISO 2431) | : Not available. |
| Pour point | : -48°C (-54.4°F) |
| 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 |
|--|---------------------------------|---------|-------------|----------|
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | LC50 Inhalation Dusts and mists | Rat | 2.18 mg/l | 4 hours |
| | LD50 Dermal | Rabbit | >2000 mg/kg | - |
| | LD50 Oral | Rat | >5000 mg/kg | - |
| Distillates (petroleum), hydrotreated heavy paraffinic | LC50 Inhalation Dusts and mists | Rat | 5.7 mg/l | 4 hours |
| | LD50 Dermal | Rabbit | >2000 mg/kg | - |
| | LD50 Oral | Rat | >5000 mg/kg | - |
| Dec-1-ene, homopolymer, hydrogenated | LC50 Inhalation Dusts and mists | Rat | >5.2 mg/l | 4 hours |
| | LD50 Dermal | Rat | >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), 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), solvent-dewaxed light paraffinic | LD50 Dermal | Rabbit | >5000 mg/kg | - |
| | LD50 Dermal | Rat | >2000 mg/kg | - |
| | LD50 Oral | Rat | >5000 mg/kg | - |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine | LD50 Dermal | Rabbit | >2000 mg/kg | - |
| | LD50 Oral | Rat | >5000 mg/kg | - |
| | LD50 Dermal | Rabbit | >2000 mg/kg | - |
| Alkyl Phosphites | LD50 Oral | Rat | >5 g/kg | - |
| | LD50 Dermal | Rabbit | >500 mg/kg | - |

Section 11. Toxicological information

| | | | | |
|--|-----------|-----|-------------|---|
| | LD50 Oral | Rat | >2000 mg/kg | - |
|--|-----------|-----|-------------|---|

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

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, homopolymer, hydrogenated | ASPIRATION HAZARD - Category 1 |
| Distillates (petroleum), hydrotreated light paraffinic | ASPIRATION HAZARD - Category 1 |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based | ASPIRATION HAZARD - Category 1 |
| Distillates (petroleum), solvent-dewaxed light paraffinic | ASPIRATION HAZARD - Category 1 |
| Alkyl Phosphites | 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.
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.

Section 11. Toxicological information

Potential delayed effects : Not available.

Potential chronic health effects

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) |
|---|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> Zel-Ray ATF MV Full Syn Multi-Vehicle | N/A | 90422.2 | N/A | N/A | N/A |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | N/A | 2500 | N/A | N/A | N/A |
| Distillates (petroleum), hydrotreated heavy paraffinic | N/A | 2500 | N/A | N/A | 5.7 |
| Dec-1-ene, homopolymer, hydrogenated | 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), C15-30, hydrotreated neutral oil-based | N/A | 2500 | N/A | N/A | N/A |
| Distillates (petroleum), solvent-dewaxed light paraffinic | N/A | 2500 | N/A | N/A | N/A |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine | N/A | 2500 | N/A | N/A | N/A |
| Alkyl Phosphites | 2500 | 1100 | N/A | N/A | N/A |

Section 12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|--|----------------------|-------------|----------|
| 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 |
| Distillates (petroleum), hydrotreated heavy paraffinic | Acute EC50 >100 mg/l | Daphnia | 48 hours |
| | Acute IC50 >100 mg/l | Algae | 72 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), 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), solvent-dewaxed light paraffinic | Acute LC50 4.5 mg/l | Fish | 96 hours |
| | Acute EC50 >100 mg/l | Daphnia | 48 hours |
| | Acute LC50 >100 mg/l | Fish | 96 hours |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine | Acute EC50 94 mg/l | Algae | 4 days |

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| | | | |
|------------------|---------------------------------|---------|----------|
| Alkyl Phosphites | Acute EC50 >1000 mg/l | Daphnia | 2 days |
| | Acute NOEC 23 mg/l | Algae | 4 days |
| | Acute NOEC >10 mg/l | Daphnia | 21 days |
| | 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 |
|---|--|--|--------------|-----------------------|
| Isooctadecanoic acid, reaction products with tetraethylenepentamine | OECD 301B Ready Biodegradability - CO ₂ Evolution Test | 4.5 % - 28 days | - | - |
| Alkyl Phosphites | - OECD 301B Ready Biodegradability - CO ₂ Evolution Test | 52.9 % - Not readily - 60 days 52.9 % - Not readily - 60 days | - 10 mg/l | - Activated sludge |

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|--|-------------------|------------|------------------|
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | - | - | Inherent |
| Distillates (petroleum), hydrotreated heavy paraffinic | - | - | Not readily |
| Distillates (petroleum), hydrotreated light paraffinic | - | - | Inherent |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine | - | - | Not readily |
| Alkyl Phosphites | - | - | Not readily |

Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|---|--------------------|-----|-----------|
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | >6 | - | High |
| Distillates (petroleum), hydrotreated heavy paraffinic | >6 | - | High |
| Dec-1-ene, homopolymer, hydrogenated | >6.5 | - | High |
| Distillates (petroleum), hydrotreated light paraffinic | >6 | - | High |
| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate | 9.2 | 260 | Low |

Mobility in soil

Soil/water partition coefficient (K_{oc}) : 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.

RCRA classification : Not Regulated

Section 14. Transport information

| | DOT Classification | TDG Classification | IMDG | IATA |
|-----------|--------------------|--------------------|----------------|----------------|
| 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 to IMO instruments : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 4(a) proposed test rules:** methyl-1H-benzotriazole
TSCA 8(a) CDR Exempt/Partial exemption: Not determined
Clean Water Act (CWA) 307: benzene; ethylbenzene
Clean Water Act (CWA) 311: benzene; xylene; ethylbenzene

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) |
| sulphur dioxide | ≤0.1 | Yes. | 500 | - | 500 | - |

SARA 304 RQ : 18518518.5 lbs / 8407407.4 kg [2628404.8 gal / 9949594.6 L]

SARA 311/312

Classification : Not applicable.

Section 15. Regulatory information

Composition/information on ingredients

| Name | % | Classification |
|--|-----------|--|
| Dec-1-ene, homopolymer, hydrogenated | ≥10 - ≤25 | ASPIRATION HAZARD - Category 1 |
| Distillates (petroleum), hydrotreated light paraffinic | ≤3 | ASPIRATION HAZARD - Category 1 |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based | ≤3 | ASPIRATION HAZARD - Category 1 |
| Distillates (petroleum), solvent-dewaxed light paraffinic | ≤3 | ASPIRATION HAZARD - Category 1 |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine | ≤3 | SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A |

State regulations

- Massachusetts** : The following components are listed: OIL MIST, MINERAL
- New York** : None of the components are listed.
- New Jersey** : None of the components are listed.
- 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 (%) | No significant risk level | Maximum acceptable dosage level |
|-----------------|-------------------|---------------------------|---------------------------------|
| Benzene | 0.012 | Yes. | Yes. |
| sulfur dioxide | 0.0027 | - | Yes. |
| Ethylbenzene | 0.0005 - 0.002 | Yes. | - |

International lists

National inventory

- Australia** : All components are listed or exempted.
- Canada** : All components are listed or exempted.
- China** : All components are listed or exempted.
- Eurasian Economic Union** : **Russian Federation inventory:** Not determined.
- New Zealand** : All components are listed or exempted.
- Philippines** : All components are listed or exempted.
- Republic of Korea** : All components are listed or exempted.
- 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

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



Section 16. Other information

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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 |
|--|--|
| AQUATIC HAZARD (ACUTE) - Category 2 AQUATIC HAZARD (LONG-TERM) - Category 2 | Calculation method Calculation method |

History

Date of issue/Date of revision : 01/08/2025

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Version : 3

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

☑ Indicates information that has changed from previously issued version.

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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.