



VISCOSITY UNITRACTION THF SS

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations, Canada HPR

Issue date: 09/20/2019

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Supersedes: 07/14/2020

Version: 3.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : VISCOSITY UNITRACTION THF SS

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

Use of the substance/mixture : Lubricant
Restrictions on use : No data available

1.3. Details of the supplier of the safety data sheet

Supplier

Viscosity Oil Company
600 H Joliet Road
Willowbrook, IL 60527
T 630-850-4000 - F 630-850-4022

Importer

Viscosity Oil Company
1918 Boul.Saint-Regis
Dorval, QC H9P 1H6 - Canada

1.4. Emergency telephone number

Emergency number : (800) 424-9300
CHEMTREC (24 HOURS)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. Label elements

GHS US labelling

No labelling applicable

2.3. Other hazards

No data available

2.4. Unknown acute toxicity (GHS_US)

1.84% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
1.84% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
1.84% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % (w/w) | GHS US classification |
|--|----------------------|---------|---|
| Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) | (CAS-No.) 64742-54-7 | 0 - 50 | Asp. Tox. 1, H304 |
| zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) | (CAS-No.) 4259-15-8 | 1 - 2 | Eye Dam. 1, H318 Aquatic Chronic 2, H411 |
| Benzenesulfonic acid, propenated, calcium salt, overbased | (CAS-No.) 68610-84-4 | 0.1 - 1 | Skin Sens. 1, H317 Aquatic Chronic 4, H413 |

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Gently wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water.
First-aid measures after ingestion : Do NOT induce vomiting. Get medical advice/attention.

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4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : Inhalation of vapours may cause respiratory irritation.
Symptoms/effects after skin contact : Repeated or prolonged contact may cause skin irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water fog. Foam. Carbon dioxide. Dry powder.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Burning produces irritating, toxic and noxious fumes.
Explosion hazard : Product is not explosive.
Reactivity : No dangerous reactions known.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers.
Protection during firefighting : Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid all eye and skin contact and do not breathe vapour and mist.

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable gloves.
Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable gloves.
Emergency procedures : Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Do not discharge into drains or the environment.

6.3. Methods and material for containment and cleaning up

For containment : Do not allow minor leaks or spills to accumulate on walking surfaces. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up : Absorb and/or contain spill with inert material, then place in suitable container.

6.4. Reference to other sections

Section 8: personal protective equipment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid all eye and skin contact and do not breathe vapour and mist.
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed.
Incompatible products : Strong oxidizers.
Incompatible materials : Heat sources.
Heat and ignition sources : Keep away from heat, sparks and flame.
Storage area : Store in dry, cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| VISCOSITY UNITRACTION THF SS | | |
|------------------------------|--------------------------------|------------------------------|
| ACGIH | ACGIH TWA (mg/m ³) | 5 mg/m ³ oil mist |

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| VISCOSITY UNITRACTION THF SS | | |
|---|---------------------------------|-------------------------------|
| ACGIH | ACGIH STEL (mg/m ³) | 10 mg/m ³ oil mist |
| Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7) | | |
| ACGIH | ACGIH TWA (mg/m ³) | 5 mg/m ³ |
| ACGIH | ACGIH STEL (mg/m ³) | 10 mg/m ³ |
| OSHA | OSHA PEL TWA [1] | 5 mg/m ³ |
| Benzenesulfonic acid, propenated, calcium salt, overbased (68610-84-4) | | |
| Not applicable | | |
| zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8) | | |
| Not applicable | | |

8.2. Exposure controls

| | |
|----------------------------------|--|
| Appropriate engineering controls | : Ensure good ventilation of the work station. |
| Personal protective equipment | : Avoid all unnecessary exposure. |
| Hand protection | : Wear suitable gloves. |
| Eye protection | : In case of splashing or aerosol production: protective goggles. |
| Respiratory protection | : In case of inadequate ventilation wear respiratory protection. NIOSH. Approved respirator. |
| Environmental exposure controls | : Prevent leakage or spillage. Prevent contaminated water run-off. |
| Other information | : Do not eat, drink or smoke when using this product. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---------------------------------|
| Physical state | : Liquid |
| Colour | : No data available |
| Odour | : petroleum |
| Odour threshold | : No data available |
| pH | : No data available |
| Melting point | : No data available |
| Freezing point | : -37 °C |
| Boiling point | : No data available |
| Flash point | : 225 °C |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : 0.878 |
| Solubility | : No data available |
| Log Pow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : 62 mm ² /s @ 40 °C |
| Viscosity, dynamic | : No data available |
| Explosive limits | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

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10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

Burning produces irritating, toxic and noxious fumes. hydrocarbons. Carbon oxides (CO, CO₂). Nitrogen oxides. Phosphorus oxides. Sulphur oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure : Inhalation; Skin and eye contact

Acute toxicity : Not classified

| Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7) | |
|---|----------------|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 Inhalation - Rat | > 5.53 mg/l/4h |

| Benzenesulfonic acid, propenated, calcium salt, overbased (68610-84-4) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rat | > 5000 mg/kg bodyweight |
| LC50 Inhalation - Rat | > 1.9 mg/l/4h read-across Sulfonic acids, petroleum, calcium salts, overbased |

| zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8) | |
|---|-----------------------|
| LD50 oral rat | 3100 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |
| ATE (oral) | 3100 mg/kg bodyweight |

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified.

(zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8) not irritating <22%.)

Respiratory or skin sensitisation : Not classified.

(Component. This product does not cause skin sensitization)

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Symptoms/effects after inhalation : Inhalation of vapours may cause respiratory irritation.

Symptoms/effects after skin contact : Repeated or prolonged contact may cause skin irritation.

SECTION 12: Ecological information

12.1. Toxicity

| Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7) | |
|---|--------------|
| EC50 crustacea | > 10000 mg/l |

| zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8) | |
|---|---------|
| LC50 fish 1 | 46 mg/l |

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12.2. Persistence and degradability

| VISCOSITY UNITRACTION THF SS | |
|--|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |
| Benzenesulfonic acid, propenated, calcium salt, overbased (68610-84-4) | |
| Persistence and degradability | Not readily biodegradable. |

12.3. Bioaccumulative potential

| VISCOSITY UNITRACTION THF SS | |
|--|------------------|
| Bioaccumulative potential | Not established. |
| Benzenesulfonic acid, propenated, calcium salt, overbased (68610-84-4) | |
| BCF fish 1 | 0.001 mg/l |
| BCF fish 2 | 0.01 mg/l |
| Log Kow | 5.7 – 5.8 |

12.4. Mobility in soil

| VISCOSITY UNITRACTION THF SS | |
|------------------------------|------------------|
| Ecology - soil | Not established. |

12.5. Other adverse effects

Other information : No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Sewage disposal recommendations : Do not dispose of waste into sewer.
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated.

Transportation of Dangerous Goods

Not regulated.

Transport by sea

Not regulated.

Air transport

Not regulated.

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

CANADA

| Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7) | |
|---|--|
| Listed on the Canadian DSL (Domestic Substances List) inventory. | |
| Benzenesulfonic acid, propenated, calcium salt, overbased (68610-84-4) | |
| Listed on the Canadian DSL (Domestic Substances List) inventory. | |

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zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

Listed on the Canadian DSL (Domestic Substances List) inventory.

EU-Regulations

Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Benzenesulfonic acid, propenated, calcium salt, overbased (68610-84-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)


Benzenesulfonic acid, propenated, calcium salt, overbased (68610-84-4)

Listed on the Inventory of Existing Chemical Substances Produced or Imported in China (IECSC).
Not listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on Taiwan National Chemical Inventory
Not listed on Phillipines Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on Taiwan National Chemical Inventory
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the AICS (Australian Inventory of Chemical Substances)

15.3. US State regulations

 **WARNING:** This product can expose you to ethylbenzene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

| Component | Carcinogenicity | Developmental toxicity | Reproductive toxicity male | Reproductive toxicity female | No significant risk level (NSRL) | Maximum allowable dose level (MADL) |
|------------------------|-----------------|------------------------|----------------------------|------------------------------|--|-------------------------------------|
| ethylbenzene(100-41-4) | X | | | | 54 µg/day (inhalation); 41 µg/day (oral) | |
| cumene(98-82-8) | X | | | | | |
| Naphthalene(91-20-3) | X | | | | 5.8 µg/day | |

SECTION 16: Other information

Revision date : 12/08/2020
Data sources : ACGIH (American Conference of Government Industrial Hygienists). European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. NIOSH Occupational Health Guide for chemical Substances - Vol. II, September, 1978. OSHA 29CFR 1910.1200 Hazard Communication Standard. TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.
Other information : None.
Full text of H-statements:

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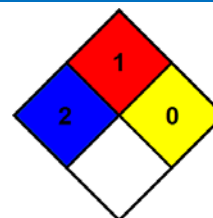
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| | |
|------|---|
| H304 | May be fatal if swallowed and enters airways. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H413 | May cause long lasting harmful effects to aquatic life. |

Abbreviations and acronyms:

| | |
|--|--|
| | CAS (Chemical Abstracts Service) number |
| | CFR: Code of Federal Regulations |
| | CLP: Classification, Labelling, Packaging. |
| | GHS: Globally Harmonized System (of Classification and Labeling of Chemicals). |
| | OSHA: Occupational Safety & Health Administration |
| | TSCA: Toxic Substances Control Act |

- NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
- NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.
- NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and not reactive with water.



Indication of changes:

Product identifier. Composition/information on ingredients. Classification.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.