



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS  
2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous  
Products Regulation (HPR)

Issuing Date 03-Feb-2021                      Revision Date 03-Feb-2021                      Revision Number 2

## 1. Identification

**Product identifier**

**Product Name**                      ISO 22 100% Synthetic Multi-Viscosity Hydraulic Oil, ISO 32 100% Synthetic Multi-Viscosity Hydraulic Oil, ISO 46 100% Synthetic Multi-Viscosity Hydraulic Oil

**Other means of identification**

**Product Code(s)**                      HVH,HVG,HVI

**Synonyms**                      None

**Recommended use of the chemical and restrictions on use**

**Recommended use**                      Hydraulic oil

**Restrictions on use**                      Avoid formation of mists.

**Details of the supplier of the safety data sheet**

**Supplier Address**

AMSOIL INC.  
14328-121A Ave  
Edmonton, AB T5L 2T2  
T: 877-830-4769

**Manufacturer Address**

AMSOIL INC.  
One AMSOIL Center  
Superior, WI 54880, USA  
T: +1 715-392-7101

**E-mail**                      compliance@amsoil.com

**Emergency telephone number**

**Emergency telephone**                      CHEMTREC: Within USA and Canada: 1-800-424-9300  
Outside the USA and Canada: +1 703-741-5970  
(collect calls accepted) 24/7

## 2. Hazard(s) identification

**Classification**

This product is not considered hazardous by either the US 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) or the Canadian Workplace Hazardous Material Information System (WHMIS 2015)

**Label elements**

**Hazard statements**  
Not classified.

**Other information**

No information available.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

| Chemical name                                                                          | CAS No     | Weight-% | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|----------------------------------------------------------------------------------------|------------|----------|------------------------------------------------------------------------------|-------------------------------------------------------------|
| Hydrogenated base oil                                                                  | 64742-54-7 | 60-80    | -                                                                            | -                                                           |
| Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts | 84605-29-8 | 0.1-1    | -                                                                            | -                                                           |
| 2,6-Di-tert-butylphenol                                                                | 128-39-2   | 0.1-1    | -                                                                            | -                                                           |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

Chemical Additions

The classification as a carcinogen does not apply as it can be shown that the substance(s) contain(s) less than 3% DMSO extract as measured by IP 346.

4. First-aid measures

Description of first aid measures

|                |                                                                                                                                                                                               |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General advice | Get medical attention immediately if symptoms occur. Show this safety data sheet to the doctor in attendance.                                                                                 |
| Inhalation     | Remove person to fresh air and keep comfortable for breathing.                                                                                                                                |
| Eye contact    | Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. |
| Skin contact   | Wash skin with soap and water. Take off contaminated clothing. Get medical attention if irritation develops and persists.                                                                     |
| Ingestion      | Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.                                                   |

Most important symptoms and effects, both acute and delayed

Symptoms

May cause gastrointestinal discomfort if consumed in large amounts. May cause temporary eye irritation. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization in susceptible persons. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness and difficulty breathing.

Indication of any immediate medical attention and special treatment needed

Note to physicians

Treat symptomatically.



## 5. Fire-fighting measures

|                                                |                                                                                                                                                                                  |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Extinguishing Media                   | Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media                 | Do not use a solid water stream as it may scatter and spread fire.                                                                                                               |
| Specific hazards arising from the chemical     | Containers can burst or explode when heated, due to excessive pressure build-up. Thermal decomposition can lead to release of irritating gases and vapors.                       |
| Hazardous combustion products                  | Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).                                                                                                               |
| Explosion data                                 |                                                                                                                                                                                  |
| Sensitivity to mechanical impact               | None.                                                                                                                                                                            |
| Sensitivity to static discharge                | None.                                                                                                                                                                            |
| Special protective equipment for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.                                               |

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

|                          |                                                                                                                                                                                           |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions     | Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. See section 8 for more information. Ensure adequate ventilation. |
| For emergency responders | Use personal protection recommended in Section 8.                                                                                                                                         |

### Methods and material for containment and cleaning up

|                             |                                                                                                                                                                                                                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Methods for containment     | Prevent further leakage or spillage if safe to do so.                                                                                                                                                                                                                                                                |
| Methods for cleaning up     | Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Clean contaminated surface thoroughly. After cleaning, flush away traces with water. |
| Reference to other sections | For additional information see: Section 8: Exposure controls/personal protection; Section 12: Ecological information; Section 13: Disposal considerations.                                                                                                                                                           |

## 7. Handling and storage

### Precautions for safe handling

|                         |                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on safe handling | Avoid contact with used product. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Conditions for safe storage, including any incompatibilities

|                    |                                                                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage Conditions | Keep containers tightly closed in a dry, cool and well-ventilated place. Do not reuse empty containers. Store away from incompatible materials. See section 10 for more information. |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 8. Exposure controls/personal protection

### Control parameters

|                 |                                                                              |
|-----------------|------------------------------------------------------------------------------|
| Exposure Limits | Under conditions which may generate mists, the following exposure limits are |
|-----------------|------------------------------------------------------------------------------|



recommended:. Long-term exposure limit (8-hour TWA): 5 mg/m³. Any potentially hazardous ingredients are encapsulated in a polymer. They are not expected to pose a health risk under normal conditions of use. Short-term exposure limit (15-minute): 10 mg/m³.

Biological occupational exposure limits

Appropriate engineering controls

Engineering controls                      Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

|                                |                                                                                                                                                                                                                 |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye/face protection            | If there is a risk of contact: Wear safety glasses with side shields (or goggles).                                                                                                                              |
| Hand protection                | If there is a risk of contact: Wear suitable gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. |
| Skin and body protection       | If there is a risk of contact: Wear suitable protective clothing.                                                                                                                                               |
| Respiratory protection         | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.                                        |
| General hygiene considerations | Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.                 |

9. Physical and chemical properties

Information on basic physical and chemical properties

|                |                          |
|----------------|--------------------------|
| Appearance     |                          |
| Physical state | Liquid                   |
| Color          | Straw-colored            |
| Odor           | Mild Hydrocarbon-like    |
| Odor threshold | No information available |

| Property                                | Values                          | Remarks • Method             |
|-----------------------------------------|---------------------------------|------------------------------|
| pH                                      | No data available               | None known                   |
| Melting point / freezing point          | No data available               | None known                   |
| Initial boiling point and boiling range | No data available               | None known                   |
| Flash point                             | 224 - 246 °C / 435.2 - 474.8 °F | Cleveland Open Cup ASTM D 92 |
| Evaporation rate                        | No data available               | None known                   |
| Flammability                            | No data available               | None known                   |
| Flammability Limit in Air               |                                 | None known                   |
| Upper flammability or explosive limits  | No data available               |                              |
| Lower flammability or explosive limits  | No data available               |                              |
| Vapor pressure                          | No data available               | None known                   |
| Vapor density                           | No data available               | None known                   |
| Relative density                        | 0.8418-0.8509                   | None known                   |
| Water solubility                        | No data available               | None known                   |
| Solubility(ies)                         | No data available               | None known                   |
| Partition coefficient                   | No data available               | None known                   |



|                           |                                           |            |
|---------------------------|-------------------------------------------|------------|
| Autoignition temperature  | No data available                         | None known |
| Decomposition temperature | No data available                         | None known |
| Kinematic viscosity       | 23.6-46.7 cSt @40°C<br>5.2-8.5 cSt @100°C | ASTM D445  |
| Dynamic viscosity         | No data available                         | None known |

|                          |                              |  |
|--------------------------|------------------------------|--|
| <b>Other information</b> |                              |  |
| Explosive properties     | No information available.    |  |
| Oxidizing properties     | No information available.    |  |
| Softening point          | No information available     |  |
| Pour Point               | -44-(-49) °C [ASTM D 97]     |  |
| Fire Point               | 242-266 °C (COC) [ASTM D 92] |  |
| Molecular weight         | No information available     |  |
| VOC Content (%)          | No information available     |  |
| Liquid Density           | No information available     |  |
| Bulk density             | No information available     |  |

## 10. Stability and reactivity

|                                    |                                                                                                                          |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Reactivity                         | None under normal use conditions.                                                                                        |
| Chemical stability                 | Stable under normal conditions.                                                                                          |
| Possibility of hazardous reactions | None under normal processing.                                                                                            |
| Conditions to avoid                | None known based on information supplied.                                                                                |
| Incompatible materials             | None known based on information supplied.                                                                                |
| Hazardous decomposition products   | Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon oxides. Carbon dioxide (CO2). |

## 11. Toxicological information

### Information on likely routes of exposure

|              |                                                                   |
|--------------|-------------------------------------------------------------------|
| Inhalation   | Specific test data for the substance or mixture is not available. |
| Eye contact  | Specific test data for the substance or mixture is not available. |
| Skin contact | Specific test data for the substance or mixture is not available. |
| Ingestion    | Specific test data for the substance or mixture is not available. |

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

|          |                                                                                                                                                                                                                                                                                                                                                                               |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms | May cause temporary eye irritation. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization in susceptible persons. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness and difficulty breathing. |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Acute toxicity

Numerical measures of toxicity

Component Information



| Chemical name                                                                          | Oral LD50                                    | Dermal LD50             | Inhalation LC50 |
|----------------------------------------------------------------------------------------|----------------------------------------------|-------------------------|-----------------|
| Hydrogenated base oil                                                                  | > 15 g/kg ( Rat )                            | > 5000 mg/kg ( Rabbit ) | -               |
| Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts | = 3100 mg/kg ( Rat )<br>= 3200 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | -               |
| 2,6-Di-tert-butylphenol                                                                | > 5000 mg/kg ( Rat )                         | > 10 g/kg ( Rabbit )    | -               |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** No information available.

| Component Information              |                                                      |
|------------------------------------|------------------------------------------------------|
| Hydrogenated base oil (64742-54-7) |                                                      |
| Method                             | OECD Test No. 404: Acute Dermal Irritation/Corrosion |
| Species                            | Rabbit                                               |
| Exposure route                     | Dermal                                               |
| Effective dose                     | 0.5 mL                                               |
| Exposure time                      | 24 hours                                             |
| Results                            | non-irritant                                         |

| Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8) |                                                      |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------|
| Method                                                                                              | OECD Test No. 404: Acute Dermal Irritation/Corrosion |
| Species                                                                                             | Rabbit                                               |
| Exposure route                                                                                      | Dermal                                               |
| Effective dose                                                                                      | 0.5 mL                                               |
| Exposure time                                                                                       | 4 hours                                              |
| Results                                                                                             | Irritant                                             |

**Serious eye damage/eye irritation** No information available.

| Component Information              |              |
|------------------------------------|--------------|
| Hydrogenated base oil (64742-54-7) |              |
| Species                            | Rabbit       |
| Exposure route                     | Eye          |
| Effective dose                     | 0.1 mL       |
| Exposure time                      | 72 hours     |
| Results                            | non-irritant |

| Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8) |            |
|-----------------------------------------------------------------------------------------------------|------------|
| Species                                                                                             | Rabbit     |
| Exposure route                                                                                      | Eye        |
| Effective dose                                                                                      | 0.1 mL     |
| Results                                                                                             | Eye Damage |

**Respiratory or skin sensitization** No information available.

| Component Information              |                                                               |
|------------------------------------|---------------------------------------------------------------|
| Hydrogenated base oil (64742-54-7) |                                                               |
| Method                             | OECD Test No. 429: Skin Sensitization: Local Lymph Node Assay |
| Species                            | Guinea pig                                                    |
| Exposure route                     | Dermal                                                        |
| Results                            | Not a skin sensitizer                                         |

**Germ cell mutagenicity** No information available.



|                        |                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Carcinogenicity</b> | The supplier declares that it can be shown that the substance(s) contain less than 3% DMSO extract as measured by IP 346. |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name                       | ACGIH | IARC    | NTP   | OSHA |
|-------------------------------------|-------|---------|-------|------|
| Hydrogenated base oil<br>64742-54-7 | A2    | Group 1 | Known | X    |

### Legend

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A2 - Suspected Human Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

|                              |                           |
|------------------------------|---------------------------|
| <b>Reproductive toxicity</b> | No information available. |
|------------------------------|---------------------------|

|                               |                           |
|-------------------------------|---------------------------|
| <b>STOT - single exposure</b> | No information available. |
|-------------------------------|---------------------------|

|                                 |                           |
|---------------------------------|---------------------------|
| <b>STOT - repeated exposure</b> | No information available. |
|---------------------------------|---------------------------|

|                          |                                                                           |
|--------------------------|---------------------------------------------------------------------------|
| <b>Aspiration hazard</b> | Due to the viscosity, this product does not present an aspiration hazard. |
|--------------------------|---------------------------------------------------------------------------|

## 12. Ecological information

|                    |                                                                                                                       |
|--------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b> | Not considered to be harmful to aquatic life. Large or frequent spills may have hazardous effects on the environment. |
|--------------------|-----------------------------------------------------------------------------------------------------------------------|

| Chemical name                                                                                        | Algae/aquatic plants | Fish                                       | Toxicity to microorganisms | Crustacea                            |
|------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------|----------------------------|--------------------------------------|
| Hydrogenated base oil<br>64742-54-7                                                                  | -                    | LC50: >5000mg/L (96h, Oncorhynchus mykiss) | -                          | EC50: >1000mg/L (48h, Daphnia magna) |
| Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts<br>84605-29-8 | -                    | LC50: =4.5mg/L (96h, Oncorhynchus mykiss)  | -                          | EC50: =23mg/L (48h, Daphnia magna)   |
| 2,6-Di-tert-butylphenol<br>128-39-2                                                                  | -                    | -                                          | -                          | EC50: =0.45mg/L (48h, Daphnia magna) |

|                                      |                           |
|--------------------------------------|---------------------------|
| <b>Persistence and degradability</b> | No information available. |
|--------------------------------------|---------------------------|

|                        |                                    |
|------------------------|------------------------------------|
| <b>Bioaccumulation</b> | There is no data for this product. |
|------------------------|------------------------------------|

### Component Information

| Chemical name                                                                                        | Partition coefficient |
|------------------------------------------------------------------------------------------------------|-----------------------|
| Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts<br>84605-29-8 | 0.56                  |

|                         |                           |
|-------------------------|---------------------------|
| <b>Mobility in soil</b> | No information available. |
|-------------------------|---------------------------|

|                              |                           |
|------------------------------|---------------------------|
| <b>Other adverse effects</b> | No information available. |
|------------------------------|---------------------------|

### 13. Disposal considerations

### Waste treatment methods

Waste from residues/unused products

Dispose of in accordance with local regulations, Dispose of waste in accordance with environmental legislation.

Contaminated packaging

Do not reuse empty containers.

| Chemical name                                                                                        | California Hazardous Waste Status |
|------------------------------------------------------------------------------------------------------|-----------------------------------|
| Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts<br>84605-29-8 | Toxic                             |

14. Transport information

DOT

Not regulated

TDG

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer

Not applicable

The Stockholm Convention on Persistent Organic Pollutants

Not applicable

The Rotterdam Convention

Not applicable

International Inventories

| TSCA                                                                                   |            | Contact supplier for inventory compliance status. |                                     |
|----------------------------------------------------------------------------------------|------------|---------------------------------------------------|-------------------------------------|
| Chemical name                                                                          | CAS No     | US TSCA Inventory listing                         | US TSCA inactive/active designation |
| Hydrogenated base oil                                                                  | 64742-54-7 | Present                                           | Active                              |
| Diisodecyl adipate                                                                     | 27178-16-1 | Present                                           | Active                              |
| non hazardous ingredient                                                               | -          |                                                   |                                     |
| Hydrogenated base oil                                                                  | 64742-55-8 | Present                                           | Active                              |
| Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts | 84605-29-8 | Present                                           | Active                              |
| Unknown acute tox. - inhalation                                                        | -          |                                                   |                                     |
| 2,6-Di-tert-butylphenol                                                                | 128-39-2   | Present                                           | Active                              |
| Hydrogenated base oil                                                                  | 8042-47-5  | Present                                           | Active                              |
| Hydrogenated base oil                                                                  | 72623-86-0 | Present                                           | Active                              |
| 2-Ethylhexan-1-ol                                                                      | 104-76-7   | Present                                           | Active                              |
| O,O,O-triphenyl phosphorothioate                                                       | 597-82-0   | Present                                           | Active                              |
| Calcium sulfonates                                                                     | 64521-08-0 |                                                   |                                     |
| Hydrogenated base oil                                                                  | 64742-52-5 | Present                                           | Active                              |
| Hydrogenated base oil                                                                  | 64742-53-6 | Present                                           | Active                              |
| Hydrogenated base oil                                                                  | 64742-46-7 | Present                                           | Active                              |



|                            |           |         |        |
|----------------------------|-----------|---------|--------|
| Triphenyl phosphite        | 101-02-0  | Present | Active |
| Maleic anhydride           | 108-31-6  | Present | Active |
| Naphthalene                | 91-20-3   | Present | Active |
| Phenol                     | 108-95-2  | Present | Active |
| Ethyl acrylate             | 140-88-5  | Present | Active |
| 2,6-Di-tert-butyl-p-cresol | 128-37-0  | Present | Active |
| Xylene                     | 1330-20-7 | Present | Active |
| Ethylbenzene               | 100-41-4  | Present | Active |
| Benzene                    | 71-43-2   | Present | Active |

\*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

DSL/NDSL Contact supplier for inventory compliance status.

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

## US Federal Regulations

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Chemical name                                                                                       | SARA 313 - Threshold Values % |
|-----------------------------------------------------------------------------------------------------|-------------------------------|
| Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts - 84605-29-8 | 1.0                           |

## SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

### CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

| Chemical name                                                                                                 | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Phosphorodithioic acid, mixed<br>O,O-bis(1,3-dimethylbutyl<br>and iso-Pr) esters, zinc<br>salts<br>84605-29-8 | -                           | X                      | -                         | -                          |

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

## US State Regulations

## California Proposition 65

**Cannabidiol (CBD) Proprietary Blend**  
This product contains the following Proposition 65 chemicals:

| Chemical name         | California Proposition 65 |
|-----------------------|---------------------------|
| Naphthalene - 91-20-3 | Carcinogen                |

|                           |                                                  |
|---------------------------|--------------------------------------------------|
| Ethyl acrylate - 140-88-5 | Carcinogen                                       |
| Benzene - 71-43-2         | Carcinogen<br>Developmental<br>Male Reproductive |
| Ethylbenzene - 100-41-4   | Carcinogen                                       |

**U.S. State Right-to-Know Regulations**

| Chemical name                                                                                              | New Jersey | Massachusetts | Pennsylvania |
|------------------------------------------------------------------------------------------------------------|------------|---------------|--------------|
| Hydrogenated base oil<br>64742-55-8                                                                        | -          | X             | -            |
| Phosphorodithioic acid, mixed<br>O,O-bis(1,3-dimethylbutyl and<br>iso-Pr) esters, zinc salts<br>84605-29-8 | X          | -             | X            |
| 2-Ethylhexan-1-ol<br>104-76-7                                                                              | -          | X             | X            |
| Hydrogenated base oil<br>64742-53-6                                                                        | -          | X             | -            |
| Maleic anhydride<br>108-31-6                                                                               | X          | X             | X            |
| Naphthalene<br>91-20-3                                                                                     | X          | X             | X            |
| Phenol<br>108-95-2                                                                                         | X          | X             | X            |
| Ethyl acrylate<br>140-88-5                                                                                 | X          | X             | X            |
| 2,6-Di-tert-butyl-p-cresol<br>128-37-0                                                                     | X          | X             | X            |
| Xylene<br>1330-20-7                                                                                        | X          | X             | X            |
| Ethylbenzene<br>100-41-4                                                                                   | X          | X             | X            |
| Benzene<br>71-43-2                                                                                         | X          | X             | X            |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**Key or legend to abbreviations and acronyms used in the safety data sheet**

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |

**Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGL(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Issuing Date** 03-Feb-2021

Revision Date 03-Feb-2021

Revision Note Initial Release.

## Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**