

## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

**Product identifier used on the label**

: DHT Oil

**Product Code(s)**

: DHTOil

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

: Anti-Wear Friction Fighter

Recommended restrictions: None known.

**Chemical family**

: Mixture of : Hydrocarbons, chlorinated compounds

**Name, address, and telephone number of the manufacturer:**

Manufacturer's Telephone # :

**Name, address, and telephone number of the supplier:**
**METALON PRODUCTS**

A. Division of Professional Products of Canada Inc.

7-1110 Heritage Road

Burlington, ON, Canada L9L 4X9

Supplier's Telephone # : 905-332-0333 Monday to Friday 9:00 - 4:00 pm

24 Hr. Emergency Tel # : (613) 996-6666 (CANUTEC)

### SECTION 2. HAZARDS IDENTIFICATION

**Classification of the chemical**

Colorless to light yellow. Petroleum odour.

This material is not classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

**Label elements**
*Hazard pictogram(s)*

None required under U.S. OSHA Hazcom 2012 and Canadian WHMIS 2015 regulations.

*Signal Word*

None required.

*Hazard statement(s)*

None required.

*Precautionary statement(s)*

None required.

**Other hazards**

Other hazards which do not result in classification:

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be mildly irritating to skin, eyes and respiratory system.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

| <u>Chemical name</u>                      | <u>Common name and synonyms</u>                  | <u>CAS #</u> | <u>Concentration (% by weight)</u> |
|---|--|--------------|------------------------------------|
| Hydrotreated heavy paraffinic mineral oil | Mineral oil, petroleum distillates, hydrotreated | 64742-54-7   | 80.0 - 100.0                       |

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|   |   |            |                  |
|---|---|------------|------------------|
| <b>Mineral oil, petroleum distillates, hydrotreated light naphthenic</b>    | Petroleum hydrocarbon   | 64742-53-6 | <b>1.0 - 5.0</b> |
| <b>Distillates, petroleum, hydrotreated light paraffinic</b>                | Hydrotreated light paraffinic distillate  | 64742-55-8 | <b>1.0 - 5.0</b> |
| <b>Mineral oil, petroleum distillates, solvent-dewaxed light paraffinic</b> | Solvent-dewaxed, light paraffinic distillate (solvent-refining or hydrotreatment) | 64742-56-9 | <b>0.5 - 1.5</b> |
| <b>Mineral oil, petroleum distillates, solvent-dewaxed light paraffinic</b> | Solvent-dewaxed, light paraffinic distillate (solvent-refining or hydrotreatment) | 64742-56-9 | <b>0.5 - 1.5</b> |
| <b>Hydrotreated light distillate</b>  | Distillates (petroleum), hydrotreated light                                       | 64742-47-8 | <b>0.5 - 1.5</b> |
| <b>Mineral spirits</b>  | Mineral spirits<br>White spirit   | 8052-41-3  | <b>0.5 - 1.5</b> |

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

### SECTION 4. FIRST-AID MEASURES

#### Description of first aid measures

- Ingestion* : Do NOT induce vomiting. Have victim rinse mouth with water, then give one to two glasses of water to drink. Never give anything by mouth to an unconscious person. Call a physician.
- Inhalation* : If inhaled, move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. Obtain medical attention if symptoms develop and persist.
- Skin contact* : Wash off immediately with plenty of water. Remove and wash contaminated clothing before re-use. If irritation or symptoms develop, seek medical attention.
- Eye contact* : Immediately flush eyes with running water for at least 5 to 10 minutes. If irritation persists, seek prompt medical attention.

#### Most important symptoms and effects, both acute and delayed

- : May cause mild eye irritation. Symptoms may include stinging and tearing. May cause mild skin irritation. Symptoms may include mild redness and swelling. May cause respiratory irritation. Symptoms may include upper respiratory irritation, coughing and breathing difficulties. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

#### Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

- Suitable extinguishing media* : Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.
- Unsuitable extinguishing media* : Do not use a solid water stream as it may scatter and spread fire.

#### Special hazards arising from the substance or mixture / Conditions of flammability

- : Burning may produce irritating, toxic and obnoxious fumes.

#### Flammability classification (OSHA 29 CFR 1910.106)

- : Not flammable.

#### Hazardous combustion products

- : Carbon oxides .

#### Special protective equipment and precautions for firefighters

##### Protective equipment for fire-fighters

- : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

##### Special fire-fighting procedures

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- : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

- : Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. Wear suitable protective equipment. Refer to protective measures listed in sections 7 and 8. Restrict access to area until completion of clean-up.

**Environmental precautions** : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

**Methods and material for containment and cleaning up**

- : Ventilate area of release. Stop spill or leak at source if safely possible. Dike for water control. Use only non-sparking tools and equipment in the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).

**Special spill response procedures**

- : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802). For 24-hour emergency assistance, call: 1-613-996-6666 (CANUTEC). US CERCLA Reportable quantity (RQ): None.

**SECTION 7. HANDLING AND STORAGE**

**Precautions for safe handling**

- : Use only in well-ventilated areas. Wear suitable protective equipment during handling. Avoid breathing vapours or mists. Avoid contact with eyes, skin and clothing. Keep away from extreme heat and flame. Keep away from incompatibles. Keep containers tightly closed when not in use. Wash thoroughly after handling.

**Conditions for safe storage**

- : Store in a cool, dry, well-ventilated area. Store away from incompatible materials. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.

**Incompatible materials**

- : Oxidizing agents; Acids.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

| <u>Exposure Limits:</u>  |  |             |  |             |
|--|--|-------------|--|-------------|
| <u>Chemical Name</u>   | <u>ACGIH TLV</u>   |             | <u>OSHA PEL</u>                              |             |
|  | <u>TWA</u>   | <u>STEL</u> | <u>PEL</u>                                   | <u>STEL</u> |
| Hydrotreated heavy paraffinic mineral oil                            | 5 mg/m <sup>3</sup> (inhalable)<br>(severely refined mineral oils) | N/Av        | 5 mg/m <sup>3</sup> (As 'Oil mist, mineral') | N/Av        |
| Mineral oil, petroleum distillates, hydrotreated light naphthenic    | 5 mg/m <sup>3</sup> (As 'Oil mist, mineral') (inhalable)           | N/Av        | 5 mg/m <sup>3</sup> (As 'Oil mist, mineral') | N/Av        |
| Distillates, petroleum, hydrotreated light paraffinic                | N/Av   | N/Av        | N/Av   | N/Av        |
| Mineral oil, petroleum distillates, solvent-dewaxed light paraffinic | N/Av   | N/Av        | N/Av   | N/Av        |
| Mineral oil, petroleum distillates, solvent-dewaxed light paraffinic | N/Av   | N/Av        | N/Av   | N/Av        |
| Hydrotreated light distillate  | 200 mg/m <sup>3</sup> (as total hydrocarbon vapour)                | N/Av        | N/Av   | N/Av        |
| Mineral spirits  | 100 ppm  | N/Av        | 500 ppm (2900 mg/m <sup>3</sup> )            | N/Av        |

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\*Note: The ACGIH TLV listed above for Propylene glycol is an AIHA WEEL.

### Exposure controls

#### Ventilation and engineering measures

: Use in a well-ventilated area. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

#### Respiratory protection

: If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Advice should be sought from respiratory protection specialists. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.

#### Skin protection

: Gloves impervious to the material are recommended. Advice should be sought from glove suppliers.

#### Eye / face protection

: Chemical goggles are recommended when there is a potential for splashing.

#### Other protective equipment

: Wear sufficient clothing to prevent skin contact. Depending on conditions of use, an impervious apron should be worn. An eyewash station and safety shower should be made available in the immediate working area.

#### General hygiene considerations

: Avoid breathing vapour or mist. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse. Handle in accordance with good industrial hygiene and safety practice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : Colorless to light yellow.

**Odour** : Petroleum odour.

**Odour threshold** : N/Av

**pH** : N/Av

**Melting/Freezing point** : N/Av

#### Initial boiling point and boiling range

: >288°C

**Flash point** : 245°C

**Flashpoint (Method)** : ASTMD92

**Evaporation rate (BuAe = 1)** : N/Av

**Flammability (solid, gas)** : Not applicable.

#### Lower flammable limit (% by vol.)

: N/Av

#### Upper flammable limit (% by vol.)

: N/Av

**Oxidizing properties** : None known.

**Explosive properties** : Not explosive

**Vapour pressure** : N/Av

**Vapour density** : N/Av

#### Relative density / Specific gravity

: 0.85

**Solubility in water** : Insoluble.

**Other solubility(ies)** : N/Av

#### Partition coefficient: n-octanol/water or Coefficient of water/oil distribution

: N/Av

**Auto-ignition temperature** : 400°C (>752°F)

**Decomposition temperature** : N/Av

**Viscosity** : 90 cSt

**Volatiles (% by weight)** : N/Av

#### Volatile organic Compounds (VOC's)

: N/Av

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: N/Ap

**Flame projection length**

: N/Ap

**Other physical/chemical comments**

: None known or reported by the manufacturer.

**SECTION 10. STABILITY AND REACTIVITY****Reactivity**

: Not normally reactive.

**Chemical stability**

: Material is stable under normal conditions.

**Possibility of hazardous reactions**

: Hazardous polymerization does not occur.

**Conditions to avoid**

: Avoid excessive heat, sparks and open flame. Avoid contact with incompatible materials. Do not use in areas without adequate ventilation.

**Incompatible materials**

: See Section 7 (Handling and Storage) for further details.

**Hazardous decomposition products**

: None known, refer to hazardous combustion products in Section 5.

**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure:****Routes of entry inhalation**

: YES

**Routes of entry skin & eye**

: YES

**Routes of entry Ingestion**

: YES

**Routes of exposure skin absorption**

: NO

**Potential Health Effects:****Signs and symptoms of short-term (acute) exposure***Sign and symptoms Inhalation*

: If product is heated or mists are formed, inhalation may cause irritation to the nose, throat and respiratory tract.

*Sign and symptoms ingestion*

: Ingestion may irritate digestive tract and cause nausea, vomiting and diarrhea. Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache).

*Sign and symptoms skin*

: Direct skin contact may result in little or no irritation.

*Sign and symptoms eyes*

: May cause mild transient irritation.

**Potential Chronic Health Effects**

: Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

**Mutagenicity**

: Not expected to be mutagenic in humans.

**Carcinogenicity**

: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

**Reproductive effects & Teratogenicity**

: Not expected to cause reproductive effects.

**Sensitization to material**

: Not expected to be a skin or respiratory sensitizer.

**Specific target organ effects**

: This material is not classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

**Medical conditions aggravated by overexposure**

: None known.

**Synergistic materials**

: Not available.

**Toxicological data**

: There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

The calculated ATE values for this mixture are: ATE inhalation (mists) = 87.55 mg/L

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| <u>Chemical name</u>   | <u>LC<sub>50</sub>(4hr)</u><br><u>inh. rat</u> | <u>LD<sub>50</sub></u> |                         |
|--|--|------------------------|-------------------------|
|  |  | <u>(Oral, rat)</u>     | <u>(Rabbit, dermal)</u> |
| Hydrotreated heavy paraffinic mineral oil                            | > 5.53 mg/L (mist) (No mortality)              | > 15 000 mg/kg         | > 5000 mg/kg            |
| Mineral oil, petroleum distillates, hydrotreated light naphthenic    | ≥ 2.18 mg/L (mist)                             | > 5000 mg/kg           | > 2000 mg/kg            |
| Distillates, petroleum, hydrotreated light paraffinic                | > 4000 mg/L (mist) (No mortality)              | > 5000 mg/kg           | > 5000 mg/kg            |
| Mineral oil, petroleum distillates, solvent-dewaxed light paraffinic | 2.18 mg/L 4 h                                  | >5000 mg/kg            | N/Av                    |
| Mineral oil, petroleum distillates, solvent-dewaxed light paraffinic | 2.18 mg/L 4 h                                  | >5000 mg/kg            | N/Av                    |
| Hydrotreated light distillate  | >6.03 mg/L (aerosol)                           | >5000 mg/kg            | >2000 mg/kg             |
| Mineral spirits  | > 5.5 mg/L (vapour)                            | > 5000 mg/kg           | > 3000 mg/kg            |

**Other important toxicological hazards**

: None known.

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity** : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not allow material to contaminate ground water system.

**Ecotoxicity data:**

| <u>Ingredients</u>   | <u>CAS No</u> | <u>Toxicity to Fish</u>                          |                           |                 |
|--|---------------|--|---------------------------|-----------------|
|  |               | <u>LC50 / 96h</u>                                | <u>NOEC / 21 day</u>      | <u>M Factor</u> |
| Hydrotreated heavy paraffinic mineral oil                            | 64742-54-7    | > 100 mg/L (Fathead minnow)                      | > 1000 mg/L/28-day (QSAR) | None.           |
| Mineral oil, petroleum distillates, hydrotreated light naphthenic    | 64742-53-6    | > 100 mg/L (Fathead minnow)                      | N/Av                      | None.           |
| Distillates, petroleum, hydrotreated light paraffinic                | 64742-55-8    | N/Av   | N/Av                      | None.           |
| Mineral oil, petroleum distillates, solvent-dewaxed light paraffinic | 64742-56-9    | 96 Hr LC50<br>Oncorhynchus mykiss:<br>>5000 mg/L | N/Av                      |                 |
| Hydrotreated light distillate  | 64742-47-8    | 45 mg/L (Fathead minnow)                         | N/Av                      | None.           |
| Mineral spirits  | 8052-41-3     | 2.1 - 4.2 mg/L (Bluegill sunfish)                | N/Av                      | None.           |

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| <u>Ingredients</u>   | CAS No     | Toxicity to Daphnia                         |                 |          |
|--|------------|---|-----------------|----------|
|  |            | EC50 / 48h                                  | NOEC / 21 day   | M Factor |
| Hydrotreated heavy paraffinic mineral oil                            | 64742-54-7 | > 10 000 mg/L (Daphnia magna) (Read-across) | 10 mg/L         | None.    |
| Mineral oil, petroleum distillates, hydrotreated light naphthenic    | 64742-53-6 | > 10 000 mg/L (Daphnia magna)               | 10 mg/L (NOEL)  | None.    |
| Distillates, petroleum, hydrotreated light paraffinic                | 64742-55-8 | N/Av  | N/Av            | None.    |
| Mineral oil, petroleum distillates, solvent-dewaxed light paraffinic | 64742-56-9 | 48 Hr EC50 Daphnia magna: >1000 mg/L        | N/Av            |          |
| Hydrotreated light distillate  | 64742-47-8 | N/Av  | N/Av            | N/Av     |
| Mineral spirits  | 8052-41-3  | 0.42 - 2.3 mg/L (Daphnia magna)             | 0.1 - 0.37 mg/L | None.    |

| <u>Ingredients</u>   | CAS No     | Toxicity to Algae                  |   |          |
|--|------------|------------------------------------|---|----------|
|  |            | EC50 / 96h or 72h                  | NOEC / 96h or 72h                           | M Factor |
| Hydrotreated heavy paraffinic mineral oil                            | 64742-54-7 | N/Av                               | > 100 mg/L/72hr (Green algae) (Read-across) | None.    |
| Mineral oil, petroleum distillates, hydrotreated light naphthenic    | 64742-53-6 | N/Av                               | > 100 mg/L/72hr (NOEL)                      | None.    |
| Distillates, petroleum, hydrotreated light paraffinic                | 64742-55-8 | N/Av                               | N/Av  | None.    |
| Mineral oil, petroleum distillates, solvent-dewaxed light paraffinic | 64742-56-9 | N/Av                               | N/Av  |          |
| Hydrotreated light distillate  | 64742-47-8 | N/Av                               | N/Av  | N/Av     |
| Mineral spirits  | 8052-41-3  | 0.58 - 1.2 mg/L/72hr (Green algae) | 0.16 mg/L/72hr                              | None.    |

**Persistence and degradability**

: No data is available on the product itself.

**Bioaccumulation potential**

: No information available.

| <u>Components</u>  | <u>Partition coefficient n-octanol/water (log Kow)</u> | <u>Bioconcentration factor (BCF)</u> |
|--|--|--------------------------------------|
| Hydrotreated heavy paraffinic mineral oil (CAS 64742-54-7)                         | 3.9 - 6  | N/Av                                 |
| Mineral oil, petroleum distillates, hydrotreated light naphthenic (CAS 64742-53-6) | 3.9 - 6 (calculated)                                   | N/Av                                 |
| Distillates, petroleum, hydrotreated light paraffinic (CAS 64742-55-8)             | 3.9 - 6  | N/Av                                 |
| Hydrotreated light distillate (CAS 64742-47-8)                                     | 5.1-8.8  | N/Av                                 |
| Mineral spirits (CAS 8052-41-3)  | 3.16 - 7.06  | N/Av                                 |

**Mobility in soil**

: No information available.

**Other Adverse Environmental effects**

: No information available.

**SECTION 13. DISPOSAL CONSIDERATIONS****Handling for Disposal**

: Handle waste according to recommendations in Section 7.

**Methods of Disposal**

: Dispose in accordance with all applicable federal, state, provincial and local regulations.

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**RCRA** : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

### SECTION 14. TRANSPORT INFORMATION

| Regulatory Information                  | UN Number   | UN proper shipping name   | Transport hazard class(es) | Packing Group | Label   |
|---|---|---|----------------------------|---------------|---|
| IMDG                                    | UN3082  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tetradecane, chloro derivatives) | 9                          | III           |       |
| <b>IMDG Additional information</b>      | May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass.  |   |                            |               |   |
| 49CFR/DOT                               | None.   | Not regulated.  | not regulated              | none          |    |
| <b>49CFR/DOT Additional information</b> | Not regulated for road or rail shipment if packaged in non-bulk containers (450 L / 119 Gallons or less each).  |   |                            |               |   |
| TDG                                     | None.   | Not regulated.  | not regulated              | none          |   |
| <b>TDG Additional information</b>       | Not regulated for road or rail shipment if packaged in non-bulk containers (450 L / 119 Gallons or less each). This material may be shipped as an exempted marine pollutant in accordance with TDG Section 1.45.1 and Special Provision 99. |   |                            |               |   |
| ICAO/IATA                               | UN3082  | Environmentally hazardous substance, liquid, n.o.s. (Tetradecane, chloro derivatives) | 9                          | III           |   |
| <b>ICAO/IATA Additional information</b> | Refer to the appropriate Packing Instruction, prior to shipping this material. Review all State and Operator Variations, prior to shipping this material.   |   |                            |               |   |

**Special precautions for user** : None known or reported by the manufacturer.

**Environmental hazards** : This product meets the criteria for an environmentally hazardous material according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

: Not available.

### SECTION 15 - REGULATORY INFORMATION

**US Federal Information:**

Components listed below are present on the following U.S. Federal chemical lists:

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| <u>Ingredients</u>   | CAS #      | TSCA Inventory | CERCLA Reportable Quantity(RQ) (40 CFR 117.302): | SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355: | SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical |                          |
|--|------------|----------------|--|--|---|--------------------------|
|  |            |                |  |  | Toxic Chemical  | de minimus Concentration |
| Hydrotreated heavy paraffinic mineral oil                            | 64742-54-7 | Yes            | None.  | None.  | No  | No                       |
| Mineral oil, petroleum distillates, hydrotreated light naphthenic    | 64742-53-6 | Yes            | None.  | None.  | No  | No                       |
| Distillates, petroleum, hydrotreated light paraffinic                | 64742-55-8 | Yes            | N/Ap   | N/Av   | No  | NS                       |
| Mineral oil, petroleum distillates, solvent-dewaxed light paraffinic | 64742-56-9 | Yes            | N/Ap   | N/Av   | No  | NS                       |
| Mineral oil, petroleum distillates, solvent-dewaxed light paraffinic | 64742-56-9 | Yes            | N/Ap   | N/Av   | No  | N/Ap                     |
| Hydrotreated light distillate  | 64742-47-8 | Yes            | N/Ap   | N/Av   | No  | No                       |
| Mineral spirits  | 8052-41-3  | Yes            | None.  | None.  | No  | No                       |

SARA TITLE III: Sec. 311 and 312 SDS Requirements, 40 CFR 370 Hazard Classes: Not a hazard under normal conditions of use. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

**US State Right to Know Laws:**

The following chemicals are specifically listed by individual States:

| <u>Ingredients</u>   | CAS #      | California Proposition 65 |                  | State "Right to Know" Lists |     |     |     |     |     |
|--|------------|---------------------------|------------------|-----------------------------|-----|-----|-----|-----|-----|
|  |            | Listed                    | Type of Toxicity | CA                          | MA  | MN  | NJ  | PA  | RI  |
| Hydrotreated heavy paraffinic mineral oil                            | 64742-54-7 | No                        | N/Ap             | No                          | No  | No  | No  | No  | No  |
| Mineral oil, petroleum distillates, hydrotreated light naphthenic    | 64742-53-6 | No                        | N/Ap             | No                          | Yes | No  | No  | No  | No  |
| Distillates, petroleum, hydrotreated light paraffinic                | 64742-55-8 | No                        | N/Ap             | No                          | Yes | No  | No  | No  | No  |
| Mineral oil, petroleum distillates, solvent-dewaxed light paraffinic | 64742-56-9 | No                        | N/Ap             | No                          | Yes | No  | No  | No  | No  |
| Mineral oil, petroleum distillates, solvent-dewaxed light paraffinic | 64742-56-9 | No                        | N/Ap             | No                          | Yes | No  | No  | No  | No  |
| Hydrotreated light distillate  | 64742-47-8 | No                        | N/Ap             | No                          | No  | No  | No  | No  | No  |
| Mineral spirits  | 8052-41-3  | No                        | N/Ap             | Yes                         | Yes | Yes | Yes | Yes | Yes |

**Canadian Information:**

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

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**International Information:**

Components listed below are present on the following International Inventory list:

| <u>Ingredients</u>   | CAS #      | European EINECs | Australia AICS | Philippines PICCS | Japan ENCS                    | Korea KECI/KECL | China IECSC | NewZealand IOC  |
|--|------------|-----------------|----------------|-------------------|-------------------------------|-----------------|-------------|---|
| Hydrotreated heavy paraffinic mineral oil                            | 64742-54-7 | 265-157-1       | Present        | Present           | (2)-10; (9)-1692;<br>(9)-1692 | KE-12546        | Present     | May be used as a single component chemical under an appropriate group standard. |
| Mineral oil, petroleum distillates, hydrotreated light naphthenic    | 64742-53-6 | 265-156-6       | Present        | Present           | (9)-1692                      | KE-12552        | Present     | May be used as a single component chemical under an appropriate group standard. |
| Distillates, petroleum, hydrotreated light paraffinic                | 64742-55-8 | 265-158-7       | Present        | Present           | (9)-1692                      | KE-12553        | Present     | May be used as a single component chemical under an appropriate group standard. |
| Mineral oil, petroleum distillates, solvent-dewaxed light paraffinic | 64742-56-9 | 265-159-2       | Present        | Present           | (9)-1692                      | KE-12609        | Present     |   |
| Mineral oil, petroleum distillates, solvent-dewaxed light paraffinic | 64742-56-9 | 265-159-2       | Present        | Present           | (9)-1692                      | KE-12609        | Present     |   |
| Hydrotreated light distillate  | 64742-47-8 | 265-149-8       | Present        | Present           | (9)-1700                      | KE-12550        | Present     | No information available.   |
| Mineral spirits  | 8052-41-3  | 232-489-3       | Present        | Present           | (9)-1702; (9)-1702            | KE-32199        | Present     | HSR001498   |

**SECTION 16. OTHER INFORMATION****Legend**

: ACGIH: American Conference of Governmental Industrial Hygienists  
CAS: Chemical Abstract Services  
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
CFR: Code of Federal Regulations  
CSA: Canadian Standards Association  
DOT: Department of Transportation  
EPA: Environmental Protection Agency  
HMIS: Hazardous Materials Identification System  
HSDB: Hazardous Substances Data Bank  
IARC: International Agency for Research on Cancer  
Inh: Inhalation  
LC: Lethal Concentration  
LD: Lethal Dose  
MN: Minnesota  
N/Ap: Not Applicable  
N/Av: Not Available  
NFPA: National Fire Protection Association  
NIOSH: National Institute of Occupational Safety and Health  
NJ: New Jersey  
NTP: National Toxicology Program  
OECD: Organisation for Economic Co-operation and Development  
OSHA: Occupational Safety and Health Administration  
PA: Pennsylvania

### SAFETY DATA SHEET

PEL: Permissible exposure limit  
 RCRA: Resource Conservation and Recovery Act  
 RI: Rhode Island  
 RTECS: Registry of Toxic Effects of Chemical Substances  
 SARA: Superfund Amendments and Reauthorization Act  
 STEL: Short Term Exposure Limit  
 TLV: Threshold Limit Values  
 TWA: Time Weighted Average  
 WHMIS: Workplace Hazardous Materials Identification System

- References** :
1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2016
  2. International Agency for Research on Cancer Monographs, searched 2017
  3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2017(Chempendium, HSDB and RTECs).
  4. Material Safety Data Sheets from manufacturer.
  5. US EPA Title III List of Lists - 2017 version.
  6. California Proposition 65 List - 2017 version.
  7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal,2017.

**Preparation Date (mm/dd/yyyy)**

: 01/30/2020

**Other special considerations for handling**

: Provide adequate information, instruction and training for operators.

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|---|--|
| <p><b><u>Prepared for:</u></b><br/>         METALON PRODUCTS<br/>         A. Division of Professional Products of Canada Inc.<br/>         7-1110 Heritage Road<br/>         Burlington, ON L9L 4X9</p>                                       |   |
| <p><b><u>Prepared by:</u></b><br/>         ICC The Compliance Center Inc.<br/>         Telephone: (888) 442-9628 (U.S.); (888) 977-4834 (Canada)<br/> <a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a></p> |  |

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