



# SAFETY DATA SHEET

Revision Date 09-01-2019

Version 8

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Code(s)** 21424000-M  
**Product Name** RUST VETO 4240

**Recommended Use** Rust Preventative  
**Uses advised against** Any other purpose.

### **Manufacturer, Importer, Supplier**

|  |  |
|--|--|
| Houghton International Inc.<br>Madison & Van Buren Aves.<br>Valley Forge, PA 19482<br>Telephone: 610-666-4000 FAX: 610-666-1376<br>Website: www.houghtonintl.com<br>Customer Service: 888-459-9844 | Houghton Canada<br>915 Meyerside Drive<br>Mississauga<br>ON<br>L5T 1R8 |
|--|--|

### Emergency telephone number

**United States of America/Canada :** 3E Company - 1-866-519-4752 ( Code 333938 )

## SECTION 2: HAZARDS IDENTIFICATION

### Classification

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Workplace Hazardous Materials Information System (WHMIS) 2015

|                     |            |
|---------------------|------------|
| Aspiration toxicity | Category 1 |
| Flammable liquids   | Category 4 |

### Label elements

**Signal word**  
DANGER

### **Hazard statements**

May be fatal if swallowed and enters airways  
Combustible liquid



### Precautionary Statements

#### Precautionary Statements - Prevention

Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Wear protective gloves/protective clothing/eye protection/face protection

#### Precautionary Statements - Response

##### Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do NOT induce vomiting

##### Fire

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

#### Precautionary Statements - Storage

Store locked up  
Store in a well-ventilated place. Keep cool

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

**Health** Not Applicable.  
**Physical** Not Applicable.

#### Other Information

Prolonged skin contact may defat the skin and produce dermatitis  
Repeated exposure may cause skin dryness or cracking

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture. Health hazard information is based on its ingredients.

| Chemical name  | CAS No     | Weight-%   |
|--|------------|------------|
| Highly refined, low viscosity base oil (Viscosity <7 cSt @40°C)                          | -          | 80% - 100% |
| Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) | -          | 1% - 5%    |
| Highly refined base oil (Viscosity >20.5 cSt @40°C)                                      | -          | 1% - 5%    |
| Calcium bis(dinonylnaphthalenesulphonate)  | 57855-77-3 | 1% - 5%    |

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

Product containing mineral oil with less than 3% DMSO extract as measured by IP 346. See Section 15 for additional information on base oils.

## SECTION 4: FIRST AID MEASURES

#### Description of first-aid measures

**General advice** Immediate medical attention is required. Do not get in eyes, on skin, or on clothing.

**Inhalation** Move to fresh air. Get medical attention immediately if symptoms occur. Potential for

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|  |   |
|--|---|
|  | aspiration if swallowed.  |
| <b>Skin contact</b>  | Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.  |
| <b>Eye contact</b>   | Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.  |
| <b>Ingestion</b>   | If symptoms persist, call a physician. Do not induce vomiting without medical advice. Clean mouth with water and afterwards drink plenty of water. Aspiration hazard if swallowed - can enter lungs and cause damage. |
| <b>Protection of First-aiders</b>  | Use personal protective equipment. Avoid contact with skin, eyes and clothing.  |
| <b><u>Most important symptoms and effects, both acute and delayed</u></b>            |   |
| <b>Main Symptoms</b>   | May be fatal if swallowed and enters airways, Repeated exposure may cause skin dryness or cracking  |
| <b><u>Indication of immediate medical attention and special treatment needed</u></b> |   |
| <b>Notes to physician</b>  | Treat symptomatically.  |

## SECTION 5: FIRE FIGHTING MEASURES

### Extinguishing media

#### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment:, Use CO2, dry chemical, or foam, Water spray or fog, Cool containers / tanks with water spray

#### **Extinguishing media which shall not be used for safety reasons**

Do not use a solid water stream as it may scatter and spread fire

### Special hazards arising from the substance or mixture

#### **Special Hazard**

In the event of fire and/or explosion do not breathe fumes. Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Combustible material. Risk of ignition. This material creates a fire hazard because it floats on water. Thermal decomposition can lead to release of irritating gases and vapors.

#### **Hazardous decomposition products**

Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide

### Advice for firefighters

#### **Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Remove all sources of ignition.

#### **Advice for non-emergency personnel**

Material can create slippery conditions. Eliminate all ignition sources if safe to do so.

**Advice for emergency responders** For personal protection see section 8.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

**Methods and materials for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Dike to collect large liquid spills. After cleaning, flush away traces with water.

**Reference to other sections**

See Section 8/12/13 for additional information

**SECTION 7: HANDLING AND STORAGE****Precautions for safe handling**

Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Remove all sources of ignition. Keep away from open flames, hot surfaces and sources of ignition.

**Conditions for safe storage, including any incompatibilities****Technical measures/Storage conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of the reach of children.

**Recommended Shelf Life**

Shelf life 12 months.

**Incompatible materials**

Strong oxidizing agents, Strong acids, Strong bases

**Specific end uses**

**Specific use(s)** Rust Preventative

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

*Legend:*

(s) - Skin; TWA - Time-Weighted Average; STEL - Short Term Exposure Limit; Ceiling - Ceiling Value; TLV® - Threshold Limit Value; PEL (Permissible Exposure Limit); IDLH (immediately dangerous to life and health); WEEL (Workplace Environmental Exposure Level Guides)

| Chemical name   | ACGIH TLV                  | OSHA PEL                   | NIOSH IDLH | AIHA WEEL |
|---|----------------------------|----------------------------|------------|-----------|
| Highly refined, low viscosity base oil (Viscosity <7 cSt @40°C)<br>-                          | 5 mg/m <sup>3</sup> (mist) | 5 mg/m <sup>3</sup> (mist) |            |           |
| Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)<br>- | 5 mg/m <sup>3</sup> (mist) | 5 mg/m <sup>3</sup> (mist) |            |           |
| Highly refined base oil (Viscosity >20.5 cSt @40°C)<br>-                                      | 5 mg/m <sup>3</sup> (mist) | 5 mg/m <sup>3</sup> (mist) |            |           |

Hydrocarbon solvent vapor mixtures which do not have substance specific occupational exposure limits may be evaluated by the Reciprocal Calculation Procedure (RCP) which assigns a recommended occupational exposure limit based on the mass composition and hydrocarbon group guidance values (GGVs). Applicable recommended occupational exposure limits are shown in the table below.

| Chemical name   | RCP OEL                                     | Manufacturer                       |
|---|---|------------------------------------|
| Distillates (petroleum), hydrotreated middle<br>64742-46-7                                  | RCP: TWA 1200 mg/m <sup>3</sup> 143ppm      |                                    |
| Chemical name   | RCP OEL                                     | Manufacturer                       |
| Distillates (petroleum), hydrotreated middle<br>64742-46-7                                  | RCP: TWA 1200 mg/m <sup>3</sup> 143ppm      |                                    |
| Distillates (petroleum), hydrotreated light<br>64742-47-8                                   | RCP: TWA 1200 mg/m <sup>3</sup> 182ppm      |                                    |
| Naphtha (petroleum), hydrotreated heavy<br>64742-48-9                                       | RCP: TWA 1000 mg/m <sup>3</sup>             |                                    |
| C12-C14 isoalkanes<br>68551-19-9  | RCP: TWA 1200 mg/m <sup>3</sup>             |                                    |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics,<br><2% aromatics<br>NOT AVAILABLE    | RCP C9-C15 aliphatics: 600mg/m <sup>3</sup> |                                    |
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics,<br><2% aromatics<br>NOT AVAILABLE    | TWA: 600 mg/m <sup>3</sup>                  |                                    |
| Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics,<br><0.03% aromatics<br>NOT AVAILABLE | RCP C9-C15 aliphatics: 600mg/m <sup>3</sup> |                                    |
| Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics,<br><2% aromatics<br>NOT AVAILABLE    | TWA: 150ppm<br>TWA: 1200 mg/m <sup>3</sup>  |                                    |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics<br>NOT AVAILABLE                           | TWA: 171 ppm<br>TWA: 1200 mg/m <sup>3</sup> |                                    |
| Hydrocarbons, C11-C12, isoalkanes, <2% aromatics<br>NOT AVAILABLE                           | RCP C9-C15 aliphatics: 600mg/m <sup>3</sup> |                                    |
| Hydrocarbons, C11-C14, isoalkanes, cyclics, <2%<br>aromatics<br>NOT AVAILABLE               | TWA: 165 ppm<br>TWA: 1200 mg/m <sup>3</sup> |                                    |
| Hydrocarbons, C12-C16, isoalkanes, cyclics, <2%<br>aromatics<br>NOT AVAILABLE               | RCP: TWA 1200 mg/m <sup>3</sup> 182ppm      |                                    |
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics,<br><0.03% aromatics<br>NOT AVAILABLE | RCP: TWA 600 mg/m <sup>3</sup>              |                                    |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics,<br><2% aromatics<br>NOT AVAILABLE    | RCP: TWA 600 mg/m <sup>3</sup>              |                                    |
| Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, <<br>2% aromatics<br>NOT AVAILABLE   | RCP: TWA 600 mg/m <sup>3</sup>              | CEFIC-HSPA: 1200 mg/m <sup>3</sup> |

### Exposure controls

#### Engineering Measures

Showers  
Eyewash stations  
Ventilation systems.

#### Individual protection measures, such as personal protective equipment

##### Eye/Face Protection

If splashes are likely to occur, wear: Face-shield.

##### Skin and body protection

Wear protective gloves/clothing.

##### Respiratory protection

No special protective equipment required. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

##### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                       |                |                       |                |
|-----------------------|----------------|-----------------------|----------------|
| <b>Physical state</b> | liquid         | <b>Appearance</b>     | clear amber    |
| <b>Odor</b>           | Not Determined | <b>Odor threshold</b> | Not Determined |

| <u>Property</u>                       | <u>Values</u>      | <u>Remarks</u> |
|---------------------------------------|--------------------|----------------|
| <b>pH</b>                             | Not Determined     |                |
| <b>Melting point / freezing point</b> | Not Determined     |                |
| <b>Boiling point / boiling range</b>  | Not Determined     |                |
| <b>Flash point</b>                    | 91 °C / 195 °F     | PMCC           |
| <b>Evaporation rate</b>               | Not Determined     |                |
| <b>Flammability (solid, gas)</b>      | Not Determined     |                |
| <b>Flammability Limit in Air</b>      |                    |                |
| <b>Upper flammability limit:</b>      | Not Determined     |                |
| <b>Lower flammability limit:</b>      | Not Determined     |                |
| <b>Vapor pressure</b>                 | Not Determined     |                |
| <b>Vapor density</b>                  | Not Determined     |                |
| <b>Relative density</b>               | 0.79               | @15.5°C g/cm3  |
| <b>Solubility(ies)</b>                | Insoluble in water |                |
| <b>Partition coefficient</b>          | Not Determined     |                |
| <b>Autoignition temperature</b>       | Not Determined     |                |
| <b>Decomposition temperature</b>      | Not Determined     |                |
| <b>Kinematic viscosity</b>            | < 7 cSt @ 40 °C    | ASTM D 445     |
| <b>Explosive properties</b>           | Not applicable     |                |
| <b>Oxidizing Properties</b>           | Not applicable     |                |

### Other Information

|                                     |                |
|-------------------------------------|----------------|
| <b>Viscosity, kinematic (100°C)</b> | Not Determined |
| <b>Pour Point</b>                   | Not Determined |
| <b>VOC Content (ASTM E-1868-10)</b> | 6.24 lb/gal    |
| <b>VOC content</b>                  | Not Determined |

## SECTION 10: STABILITY AND REACTIVITY

### Reactivity

None under normal use conditions

### Chemical stability

Stable under normal conditions

### Possibility of hazardous reactions

None under normal use conditions

### Conditions to avoid

Heat (temperatures above flash point), sparks, ignition points, flames, static electricity. Keep away from open flames, hot surfaces and sources of ignition. Heat, flames and sparks.

### Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

### Hazardous decomposition products

Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

|                            |  |
|----------------------------|--|
| <b>Product Information</b> | May be harmful if swallowed and enters airways.                  |
| <b>Inhalation</b>          | Risk of serious damage to the lungs (by aspiration)              |
| <b>Eye contact</b>         | Based on available data, the classification criteria are not met |
| <b>Skin contact</b>        | Based on available data, the classification criteria are not met |
| <b>Ingestion</b>           | Risk of product entering the lungs on vomiting after ingestion   |

### **Component Information**

| Chemical name   | Oral LD50           | Dermal LD50 | Inhalation LC50 |
|---|---------------------|-------------|-----------------|
| Highly refined, low viscosity base oil<br>(Viscosity <7 cSt @40°C)<br>-                             | >2000 mg/kg         | >2000 mg/kg |                 |
| Highly refined, low viscosity mineral<br>oils/hydrocarbons (Viscosity >7 -<br><20.5 cSt @40°C)<br>- | >2000 mg/kg         | >2000 mg/kg |                 |
| Highly refined base oil (Viscosity<br>>20.5 cSt @40°C)<br>-   | >2000 mg/kg         | >2000 mg/kg |                 |
| Calcium<br>bis(dinonylnaphthalenesulphonate)<br>57855-77-3  | >4000 mg/kg ( Rat ) |             |                 |

### Information on toxicological effects

**Symptoms** May be fatal if swallowed and enters airways. Prolonged skin contact may defat the skin and produce dermatitis.

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

|   |   |
|---|---|
| <b>Skin corrosion/irritation</b>                          | Based on available data, the classification criteria are not met. |
| <b>Serious eye damage/eye irritation</b>                  | Based on available data, the classification criteria are not met  |
| <b>Sensitization</b>                                      | Based on available data, the classification criteria are not met. |
| <b>Germ cell mutagenicity</b>                             | Based on available data, the classification criteria are not met. |
| <b>Carcinogenicity</b>                                    | Based on available data, the classification criteria are not met. |
| <b>Reproductive toxicity</b>                              | Based on available data, the classification criteria are not met. |
| <b>Specific target organ toxicity (single exposure)</b>   | Based on available data, the classification criteria are not met. |
| <b>Specific target organ toxicity (repeated exposure)</b> | Based on available data, the classification criteria are not met. |
| <b>Aspiration hazard</b>                                  | Risk of serious damage to the lungs (by aspiration).              |

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity**

No special environmental measures are necessary

**Persistence and degradability** The product is not readily biodegradable, but it can be degraded by micro-organisms, it is regarded as being inherently biodegradable.

**Bioaccumulation** No information available

**Mobility** The product is insoluble and floats on water. Is not likely mobile in the environment due its low water solubility.

**Other adverse effects** No information available

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Waste Disposal Methods** Dispose of in accordance with federal, state and local regulations.

**Contaminated packaging** Observe all label precautions until container is cleaned, reconditioned or destroyed.

### SECTION 14: TRANSPORT INFORMATION

**DOT**

|  |   |
|--|---|
| <b>UN/ID no</b>                        | NA1993  |
| <b>Proper shipping name</b>            | COMBUSTIBLE LIQUID, N.O.S.  |
| <b>Hazard Class</b>                    | Combustible liquid  |
| <b>Packing Group</b>                   | III   |
| <b>Emergency Response Guide Number</b> | 128   |
| <b>Description</b>                     | NA1993, COMBUSTIBLE LIQUID, N.O.S. (Highly refined base oil), Combustible liquid, III |

**TDG** Not Regulated

**IATA** Not Regulated

**IMDG** Not Regulated

### SECTION 15: REGULATORY INFORMATION

**International Inventories**

Inventory information may be utilizing alternative CAS#s or exemptions beyond those stated within this document For further information, please contact: ProductStewardship@houghtonintl.com

|              |          |
|--------------|----------|
| <b>TSCA</b>  | Complies |
| <b>DSL</b>   | Complies |
| <b>AICS</b>  | Complies |
| <b>PICCS</b> | Complies |
| <b>KECL</b>  | Complies |
| <b>IECSC</b> | Complies |
| <b>ENCS</b>  | Complies |



TCSI  
NZIoC

Complies  
Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**AICS** - Australian Inventory of Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**TCSI** - Taiwan National Existing Chemical Inventory  
**NZIoC** - New Zealand Inventory of Chemicals

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

- Flammable (gases, aerosols, liquids, or solids)
- Aspiration Hazard

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this regulation, 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.

**U.S. State Regulations****SCAQMD Rule 1144**

The sale or distribution in the SCAQM District of California for metal working fluids or direct-contact lubricants is allowed if EITHER the VOC of the product itself OR the VOC of the diluted product at the point of use is less than the following limits: (1) 75 g VOC/L for metal forming, metal removal, metal treating; (2) 50 g VOC/L for metal protection, direct-contact lubricant. The VOC of this product as sold is: 6.24 lb/gal

**California Proposition 65**

WARNING: This product contains a chemical(s) known to the State of California to cause cancer and/or birth defects or other reproductive harm.

| Chemical name | CAS No  | California Prop. 65 |
|---------------|---------|---------------------|
| Methanol      | 67-56-1 | Developmental       |

**International Regulations****Ozone-depleting substances (ODS)**

Not applicable

**Persistent Organic Pollutants**

Not applicable

**Chemicals Subject to Prior Informed Consent (PIC)**

Not applicable

**Other Information**

The highly refined base oil (Viscosity >20.5 cSt @40°C) contains one or more substance with the following CAS/EC numbers/REACH registration numbers:

| Chemical name  | CAS No      |
|--|-------------|
| Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated           | 101316-72-7 |
| Lubricating oils (petroleum), used, noncatalytically refined                         | 101316-73-8 |
| Distillates (petroleum), solvent-refined heavy paraffinic                            | 64741-88-4  |
| Distillates (petroleum), solvent-refined light paraffinic                            | 64741-89-5  |
| Residual oils (petroleum), solvent deasphalted                                       | 64741-95-3  |
| Distillates (petroleum), solvent-refined heavy naphthenic                            | 64741-96-4  |
| Distillates (petroleum), solvent-refined light naphthenic                            | 64741-97-5  |
| Residual oils (petroleum), solvent-refined   | 64742-01-4  |
| Extracts (petroleum), residual oil solvent   | 64742-10-5  |
| Distillates (petroleum), hydrotreated heavy naphthenic                               | 64742-52-5  |
| Distillates (petroleum), hydrotreated light naphthenic                               | 64742-53-6  |
| Distillates (petroleum), hydrotreated heavy paraffinic                               | 64742-54-7  |
| Distillates (petroleum), hydrotreated light paraffinic                               | 64742-55-8  |
| Distillates (petroleum), solvent-dewaxed light paraffinic                            | 64742-56-9  |
| Residual oils (petroleum), hydrotreated  | 64742-57-0  |
| Lubricating oils (petroleum), hydrotreated spent                                     | 64742-58-1  |
| Residual oils (petroleum), solvent-dewaxed   | 64742-62-7  |
| Distillates (petroleum), solvent-dewaxed heavy, paraffinic                           | 64742-65-0  |
| Paraffin oils (petroleum), catalytic dewaxed heavy                                   | 64742-70-7  |
| Paraffin oils (petroleum), catalytic dewaxed light                                   | 64742-71-8  |
| Lubricating oils (petroleum), C>25, hydrotreated bright stock-based                  | 72623-83-7  |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity | 72623-85-9  |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based                 | 72623-86-0  |
| Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based                | 72623-87-1  |
| Lubricating oils   | 74869-22-0  |
| Paraffin oils  | 8012-95-1   |
| White mineral oil (petroleum)  | 8042-47-5   |
| C18-C50 branched, cyclic and linear hydrocarbons – Distillates                       | 848301-69-9 |

The highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) contains one or more substance with the following CAS/EC numbers/REACH registration numbers:

| Chemical name   | CAS No     |
|---|------------|
| Distillates (petroleum), straight-run middle                        | 64741-44-2 |
| Distillates (petroleum), heavy hydrocracked                         | 64741-76-0 |
| Distillates (petroleum), solvent-refined heavy paraffinic           | 64741-88-4 |
| Distillates (petroleum), solvent-refined light paraffinic           | 64741-89-5 |
| Residual oils (petroleum), solvent deasphalted                      | 64741-95-3 |
| Distillates (petroleum), solvent-refined heavy naphthenic           | 64741-96-4 |
| Residual oils (petroleum), solvent-refined                          | 64742-01-4 |
| Distillates (petroleum), hydrotreated middle                        | 64742-46-7 |
| Distillates (petroleum), hydrotreated middle                        | 64742-46-7 |
| Distillates (petroleum), hydrotreated light                         | 64742-47-8 |
| Distillates (petroleum), hydrotreated light naphthenic              | 64742-53-6 |
| Distillates (petroleum), hydrotreated heavy paraffinic              | 64742-54-7 |
| Distillates (petroleum), hydrotreated light paraffinic              | 64742-55-8 |
| Distillates (petroleum), hydrotreated light paraffinic              | 64742-55-8 |
| Distillates, petroleum, solvent-dewaxed light paraffinic            | 64742-56-9 |
| Distillates (petroleum), solvent-dewaxed light paraffinic           | 64742-56-9 |
| Residual oils (petroleum), hydrotreated                             | 64742-57-0 |
| Lubricating oils (petroleum), hydrotreated spent                    | 64742-58-1 |
| Residual oils (petroleum), solvent-dewaxed                          | 64742-62-7 |
| Distillates (petroleum), solvent-dewaxed heavy, paraffinic          | 64742-65-0 |
| Paraffin oils (petroleum), catalytic dewaxed light                  | 64742-71-8 |
| Dec-1-ene, homopolymer, hydrogenated                                | 68037-01-4 |
| Lubricating oils (petroleum), C>25, hydrotreated bright stock-based | 72623-83-7 |

|  |               |
|--|---------------|
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity | 72623-85-9    |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based                 | 72623-86-0    |
| Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based                | 72623-87-1    |
| Lubricating oils   | 74869-22-0    |
| White mineral oil (petroleum)  | 8042-47-5     |
| C18-C50 branched, cyclic and linear hydrocarbons – Distillates                       | 848301-69-9   |
| Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics                            | NOT AVAILABLE |

The highly refined, low viscosity base oil (Viscosity <7 cSt @40°C) contains one or more substance with the following CAS/EC numbers/REACH registration numbers:

| Chemical name  | CAS No        |
|--|---------------|
| Distillates (petroleum), hydrotreated middle                             | 64742-46-7    |
| Hydrocarbons, C13-C23, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics | 64742-46-7    |
| Distillates (petroleum), hydrotreated light                              | 64742-47-8    |
| Naphtha (petroleum), hydrotreated heavy                                  | 64742-48-9    |
| Distillates (petroleum), hydrotreated light naphthenic                   | 64742-53-6    |
| Distillates (petroleum), hydrotreated light paraffinic                   | 64742-55-8    |
| Distillates (petroleum), solvent-dewaxed light paraffinic                | 64742-56-9    |
| C12-C14 isoalkanes   | 68551-19-9    |
| White mineral oil (petroleum)  | 8042-47-5     |
| C18-C50 branched, cyclic and linear hydrocarbons – Distillates           | 848301-69-9   |
| Alkanes, C14-16  | 90622-46-1    |
| Alkanes, C12-26-branched and linear                                      | 90622-53-0    |
| Alkanes, C11-15-iso-   | 90622-58-5    |
| Alkanes, C16-20-iso-   | 90622-59-6    |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics     | NOT AVAILABLE |
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics     | NOT AVAILABLE |
| Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, <0.03% aromatics  | NOT AVAILABLE |
| Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics     | NOT AVAILABLE |
| Hydrocarbons, C11-C14, n-alkanes, <2% aromatics                          | NOT AVAILABLE |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics                         | NOT AVAILABLE |
| Hydrocarbons, C14-C18, n-alkanes, cyclics, aromatics (2-30%)             | NOT AVAILABLE |
| Hydrocarbons, C11-C12, isoalkanes, <2% aromatics                         | NOT AVAILABLE |
| Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics                | NOT AVAILABLE |
| Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics                | NOT AVAILABLE |
| Hydrocarbons, C13-C16, isoalkanes, cyclics, < 2% aromatics               | NOT AVAILABLE |
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, <0.03% aromatics  | NOT AVAILABLE |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics     | NOT AVAILABLE |
| Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics    | NOT AVAILABLE |

## SECTION 16: OTHER INFORMATION

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

STOT SE - Specific target organ systemic toxicity (Single exposure)  
 STOT RE - Specific target organ systemic toxicity (repeated exposure)  
 VOC - Volatile organic compounds

Revision Date 09-01-2019

Revision Note Company Logo

#### Disclaimer

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**End of Safety Data Sheet**