



**HOUGHTON**

# SAFETY DATA SHEET

Issuing Date: 03-05-2015

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Version 1

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product Code(s):** DME - Mold Cleaner Gallon  
**Product Name**

**Recommended use** Metal Protection  
**Uses advised against** Any other purpose.

### Manufacturer, Importer, Supplier

Houghton International Inc.  
Madison & Van Buren Aves.  
Valley Forge, PA 19482  
Telephone: 610-666-4000 FAX: 610-666-1376  
Website: www.houghtonintl.com  
Customer Service: 888-459-9844

DME  
29111 STEPHENSON HWY MADISON  
HEIGHTS, MI 48071  
800-626-6653 (U.S.), 800-387-6600 (Canada)  
or 248-398-6000 (worldwide)

### Emergency telephone number

3E Company 1-866-519-4752 (USA, Canada, Mexico)  
Company Access Code: 333938

## SECTION 2: Hazards identification

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1
Flammable liquids	Category 3

### GHS Label elements, including precautionary statements

**Signal Word**  
DANGER

### Hazard Statements

May cause drowsiness or dizziness.  
May be fatal if swallowed and enters airways  
Flammable liquid and vapor



### Precautionary Statements

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Ground/Bond container and receiving equipment  
 Use explosion-proof electrical/ventilating/lighting/equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Keep cool

**Precautionary Statements - Response****Skin**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Call a POISON CENTER or doctor/physician if you feel unwell

**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 container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other information**

Prolonged skin contact may defat the skin and produce dermatitis.

### 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)	-	25% - 60%
Distillates (petroleum), hydrotreated light	64742-47-8	25% - 60%
Highly refined base oil (Viscosity >20.5 cSt @40°C)	-	2.5% - 10%
Paraffin waxes (petroleum), hydrotreated	64742-51-4	1% - 2.5%
2-Methylpentane-2,4-diol	107-41-5	1% - 2.5%
Calcium bis(dinonylnaphthalenesulphonate)	57855-77-3	1% - 2.5%
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)	-	1% - 2.5%

**Additional information**

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

**4.1. Description of first-aid measures**

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<b>General advice</b>	Immediate medical attention is required. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray.
<b>Inhalation</b>	Move to fresh air. Potential for aspiration if swallowed. Get medical attention immediately if symptoms occur.
<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>	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. If symptoms persist, call a physician.
<b>Protection of First-aiders</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

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

**Main Symptoms** May be fatal if swallowed and enters airways

#### **4.3. Indication of immediate medical attention and special treatment needed**

**Notes to physician** Treat symptomatically.

### **SECTION 5: FIRE FIGHTING MEASURES**

#### **5.1. Extinguishing media**

##### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment: Use CO<sub>2</sub>, 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.

#### **5.2. 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). Flammable. Risk of ignition. 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

#### **5.3. 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**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak.

**Advice for non-emergency** Eliminate all ignition sources if safe to do so. Evacuate personnel to safe areas.

**personnel**

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

**6.2. Environmental precautions**

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

**6.3. 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.

**6.4. Reference to other sections**

See Section 8/12/13 for additional information.

## SECTION 7: Handling and storage

**7.1. 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.

**7.2. 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**

No information available.

**Incompatible Materials**

Strong oxidizing agents, Strong acids, Strong bases

**7.3. Specific end uses****Specific use(s)**

Metal Protection

## SECTION 8: Exposure controls/personal protection

**Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	AIHA WEEL
Highly refined, low viscosity base oil (Viscosity <7 cSt @40°C) -	5 mg/m <sup>3</sup> as mist	5 mg/m <sup>3</sup> as mist		
Highly refined base oil (Viscosity >20.5 cSt @40°C) -	5 mg/m <sup>3</sup> as mist	5 mg/m <sup>3</sup> as mist		
Paraffin waxes (petroleum), hydrotreated 64742-51-4	5 mg/m <sup>3</sup> as mist	5 mg/m <sup>3</sup> as mist		
2-Methylpentane-2,4-diol 107-41-5	Ceiling: 25 ppm	(vacated) Ceiling: 25 ppm (vacated) Ceiling: 125 mg/m <sup>3</sup>	Ceiling: 25 ppm Ceiling: 125 mg/m <sup>3</sup>	
Highly refined, low viscosity mineral oils/hydrocarbons	5 mg/m <sup>3</sup> as mist	5 mg/m <sup>3</sup> as mist		

(Viscosity >7 - <20.5 cSt @40°C) -				
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**Other Exposure Guidelines**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

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

Safety glasses with side-shields.

**Skin and body protection**

Wear protective gloves/clothing.

<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state @20°C</b>	liquid	<b>Appearance</b>	clear , Dark
<b>Odor</b>	Perfumes	<b>Odor Threshold</b>	Not Applicable
<u>Property</u>	<u>Values</u>		<u>Note</u>
<b>pH</b>	No information available		
<b>Melting Point / Freezing Point</b>	No information available.		
<b>Boiling point/boiling range</b>	< 93 °C / < 199 °F		
<b>Flash point</b>	41 °C / 106 °F		PMCC
<b>Evaporation rate</b>	No information available		
<b>Flammability (solid, gas)</b>	Not flammable.		
<b>Flammability Limits in Air</b>			
<b>upper flammability limit</b>	No information available.		
<b>Lower flammability limit</b>	No information available.		
<b>Vapor pressure</b>	No information available.		
<b>Vapor density</b>	No information available.		
<b>Relative density</b>	0.83		
<b>Solubility(ies)</b>	No information available.		
<b>Partition coefficient: n-octanol/water</b>	Not Applicable		
<b>Autoignition temperature</b>	No information available		
<b>Decomposition temperature</b>	No information available		
<b>Viscosity, kinematic</b>	< 5 cSt @ 40 °C		
<b>Explosive properties</b>	Not Applicable		
<b>Oxidizing Properties</b>	Not Applicable		

### 9.2 Other information

<b>Viscosity, kinematic (100°C)</b>	No information available	
<b>Pour point</b>	No information available	
<b>VOC Content</b>	722 g/L	ASTM E 1868-10

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None under normal use conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal use conditions

### 10.4. 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

**10.5. Incompatible Materials**

Strong oxidizing agents, Strong acids, Strong bases

**10.6. 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>	There is no data available for this product.
<b>Skin contact</b>	Repeated exposure may cause skin dryness or cracking.
<b>Ingestion</b>	Risk of product entering the lungs on vomiting after ingestion.

**Component Information**

Chemical Name	LD50 Oral (Rat)	LD50 Dermal (Rat/Rabbit)	LC50 Inhalation
Highly refined, low viscosity base oil (Viscosity <7 cSt @40°C) -	>2000 mg/kg	>2000 mg/kg	
Distillates (petroleum), hydrotreated light 64742-47-8	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h
Highly refined base oil (Viscosity >20.5 cSt @40°C) -	>2000 mg/kg	>2000 mg/kg	
Paraffin waxes (petroleum), hydrotreated 64742-51-4	10000 mg/kg ( Rat )	> 3600 mg/kg ( Rabbit )	
2-Methylpentane-2,4-diol 107-41-5	3692 mg/kg ( Rat )	= 8560 µL/kg ( Rabbit )	> 310 mg/m <sup>3</sup> ( Rat ) 1 h
Calcium bis(dinonylnaphthalenesulphonate) 57855-77-3	>4000 mg/kg ( Rat )		
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) -	>2000 mg/kg	>2000 mg/kg	

**Information on toxicological effects**

**Symptoms** 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**

**Sensitization** None known.

**Germ Cell Mutagenicity** None known.

**Carcinogenicity** None known.

**Reproductive toxicity** None known.

**Specific target organ systemic toxicity (single exposure)** May cause disorder and damage to the. Central nervous system (CNS). May cause drowsiness or dizziness.

**Specific target organ systemic toxicity (repeated exposure)** None known.

**Aspiration hazard** Risk of serious damage to the lungs (by aspiration).

## SECTION 12: Ecological information

### Ecotoxicity

No special environmental measures are necessary.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Distillates (petroleum), hydrotreated light	1000: 72 h Pseudokirchneriella subcapitata mg/L EC50	1000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50
2-Methylpentane-2,4-diol	>420: 72 h Selenastrum capricornutum mg/l EC50	10500-11000: 96 h Pimephales promelas mg/L LC50 flow-through 10000: 96 h Lepomis macrochirus mg/L LC50 static 8690: 96 h Pimephales promelas mg/L LC50 flow-through 10700: 96 h Pimephales promelas mg/L LC50 static		2700 - 3700: 48 h Daphnia magna mg/L EC50

### 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

Chemical Name	log Pow
2-Methylpentane-2,4-diol 107-41-5	0.14

**Other adverse effects** No information available.

## SECTION 13: Disposal considerations

### Waste treatment

**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

**UN/ID No** UN3295  
**Proper shipping name** HYDROCARBONS, LIQUID, N.O.S.  
**Hazard class** 3  
**Packing group** III  
**Special Provisions** 144, B1, IB3, T4, TP1, TP29  
**Description** UN3295, HYDROCARBONS, LIQUID, N.O.S , 3, III  
**Emergency Response Guide Number** 128



**TDG**

<b>UN/ID No</b>	UN3295
<b>Proper shipping name</b>	HYDROCARBONS, LIQUID, N.O.S.
<b>Hazard class</b>	3
<b>Packing Group</b>	III
<b>Description</b>	UN3295, HYDROCARBONS, LIQUID, N.O.S , 3, III

**ICAO/IATA**

<b>UN No.</b>	UN3295
<b>Proper shipping name</b>	HYDROCARBONS, LIQUID, N.O.S.
<b>Hazard class</b>	3
<b>Packing group</b>	III
<b>Special Provisions</b>	A224, A3
<b>Description</b>	UN3295, HYDROCARBONS, LIQUID, N.O.S , 3, III

**IMDG/IMO**

<b>UN No.</b>	UN3295
<b>Proper shipping name</b>	HYDROCARBONS, LIQUID, N.O.S.
<b>Hazard class</b>	3
<b>Packing Group</b>	III
<b>EmS No.</b>	F-E, S-D
<b>Special Provisions</b>	223
<b>Description</b>	UN3295, HYDROCARBONS, LIQUID, N.O.S , 3, III, (41°C c.c.)

**SECTION 15: Regulatory information****International Inventories**

<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

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

**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

**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**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	no
<b>Fire Hazard</b>	Yes
<b>Sudden Release of Pressure Hazard</b>	no
<b>Reactive Hazard</b>	no

**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**

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.

### U.S. State Regulations

#### **SCAQMD Rule 1144**

This product exceeds VOC concentrations set by SCAQMD as determined by test method ASTM E1868-10 and cannot be used as a metal working fluid or as a direct contact lubricant in California's SCAQMD region as per rule 1144.

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

### International Regulations

#### **Mexico - Grade**

Moderate risk, Grade 2

#### **Canada**

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.**

#### **WHMIS Hazard Class**

D2B Toxic materials

B3 Combustible liquid

#### Other information

Not applicable

**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
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
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
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

**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 light paraffinic	64741-89-5
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, solvent-dewaxed light paraffinic	64742-56-9
Distillates (petroleum), solvent-dewaxed heavy, paraffinic	64742-65-0
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0
Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based	72623-87-1
White mineral oil (petroleum)	8042-47-5
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
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

### SECTION 16: Other information

<b>NFPA</b>	<b>Health Hazard 3</b>	<b>Flammability 2</b>	<b>Instability 0</b>	<b>Physical and chemical hazards -</b>
<b>HMIS</b>	<b>Health Hazard 3</b>	<b>Flammability 2</b>	<b>Physical Hazard 0</b>	<b>Personal protection X</b>

#### 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)  
 TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 VOC - Volatile organic compounds  
 NIOSH IDLH: Immediately Dangerous to Life or Health

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#### Revision Note

No information available

**Disclaimer**

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