



# SAFETY DATA SHEET

HOUGHTON®

Revision Date 10-12-2016

Version 5

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

### Product identifier

**Product Code(s)** 70717900-M  
**Product Name** HOUGHTO-DRAW 7079-R

**Recommended Use** metal forming lubricant  
**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

Houghton Canada  
915 Meyerside Drive  
Mississauga  
ON  
L5T 1R8

Houghton Mexico S.A. de C.V.  
Efraín Gonzalez Luna, 2007 Depto19  
Col. Americana, Guadalajara,  
Jalisco CP. 44160,  
Mexico  
Phone: +52-333-615-9331

### 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)

Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Carcinogenicity	Category 2
Reproductive Toxicity	Effects on or via lactation
Specific target organ toxicity (repeated exposure)	Category 2

### Label elements

**Signal word**  
DANGER

### Hazard statements

Causes serious eye damage  
May cause an allergic skin reaction  
Suspected of causing cancer  
May cause harm to breast-fed children  
May cause damage to organs through prolonged or repeated exposure  
Effects on or via lactation



### Precautionary Statements

#### Precautionary Statements - Prevention

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Avoid contact during pregnancy/while nursing  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Contaminated work clothing should not be allowed out of the workplace  
 Wear protective gloves

#### Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention  
 Specific treatment is urgent (see supplemental first aid instructions on this label)

##### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor/physician

##### Skin

IF ON SKIN: Wash with plenty of soap and water

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

#### Precautionary Statements - Storage

Store locked up

#### 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

Not applicable

## 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 mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)	-	10% - 25%
Alkanes, chloro	61788-76-9	10% - 25%
Sulfonic acids, petroleum, sodium salts	68608-26-4	2.5% - 10%
Highly refined base oil (Viscosity >20.5 cSt @40°C)	-	2.5% - 10%
Alcohols, C6-10, ethoxylated propoxylated	68987-81-5	2.5% - 10%
2,2'-Oxydiethanol	111-46-6	2.5% - 10%
Neutralised 2-amino-2-methylpropanol	124-68-5*	2.5% - 10%
Neutralised Benzotriazole	95-14-7*	1% - 2.5%
2,2'-Iminodiethanol	111-42-2	1% - 2.5%

2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	4719-04-4	0% - 1%
3-Iodo-2-propynyl butylcarbamate	55406-53-6	0% - 1%

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

<b>General advice</b>	Do not get in eyes, on skin, or on clothing. May produce an allergic reaction. Immediate medical attention is required. Do not breathe dust/fume/gas/mist/vapors/spray.
<b>Inhalation</b>	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms occur.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
<b>Eye contact</b>	Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not rub affected area. Seek immediate medical attention/advice.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water. Call a POISON CENTER or doctor/physician if exposed or you feel unwell.
<b>Protection of First-aiders</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

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

**Main Symptoms** Eye damage/irritation

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

**Notes to physician** Treat symptomatically. May cause sensitization of susceptible persons.

## 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

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

None

### Special hazards arising from the substance or mixture

#### **Special Hazard**

Water runoff can cause environmental damage.

#### **Hazardous decomposition products**

None under normal use

### 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**

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 personnel**

Evacuate personnel to safe areas. Material can create slippery conditions. Keep people away from and upwind of spill/leak.

**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. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

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

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**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

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

Keep container tightly closed in a dry and well-ventilated place.

**Recommended Shelf Life**

No information available.

**Incompatible materials**

Strong oxidizing agents, Strong acids, Strong bases

**Specific end uses**

**Specific use(s)** metal forming lubricant

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

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH	AIHA WEEL
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 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		
2,2'-Oxydiethanol 111-46-6				TWA: 10 mg/m <sup>3</sup>
2,2'-Iminodiethanol 111-42-2	TWA: 1 mg/m <sup>3</sup> inhalable fraction and vapor Skin	(vacated) TWA: 3 ppm (vacated) TWA: 15 mg/m <sup>3</sup>	TWA: 3 ppm TWA: 15 mg/m <sup>3</sup>	

**Other Information**

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
Paraffin oils 8012-95-1		TWA: 5 mg/m <sup>3</sup> excluding metal working fluids, highly & severely refined
Chemical name	RCP OEL	Manufacturer
Distillates (petroleum), hydrotreated middle 64742-46-7	RCP: TWA 1200 mg/m <sup>3</sup> 143ppm	

**Exposure controls****Engineering Measures**

Showers  
Eyewash stations  
Ventilation systems.

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

<b>Eye/Face Protection</b>	Tightly fitting safety goggles. If splashes are likely to occur, wear: Face-shield.
<b>Skin and body protection</b>	Wear protective gloves/clothing.
<b>Respiratory protection</b>	No special protective equipment required. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
<b>Hygiene measures</b>	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended.

## 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>	No information available	<b>Odor threshold</b>	Not applicable

Property	Values	Remarks
<b>pH</b>	No information available	
<b>Melting point / freezing point</b>	No information available	
<b>Boiling point / boiling range</b>	No information available	
<b>Flash point</b>	> 160 °C / > 320 °F	Cleveland Open Cup (COC)
<b>Evaporation rate</b>	No information available	

<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>	No information available	
<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>	~ 1.15	@ 15.5°C g/cm3
<b>Solubility(ies)</b>	Insoluble in water	
<b>Partition coefficient</b>	Not applicable	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Kinematic viscosity</b>	> 30 cSt @ 40 °C	ASTM D 445
<b>Explosive properties</b>	Not applicable	
<b>Oxidizing Properties</b>	Not applicable	
<b><u>Other Information</u></b>		
<b>Viscosity, kinematic (100°C)</b>	No information available	
<b>Pour Point</b>	No information available	
<b>VOC Content (ASTM E-1868-10)</b>	92 g/L	ASTM E1868-10
<b>VOC content</b>	No information available	

## 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

Do not freeze

### Incompatible materials

Strong oxidizing agents, Strong acids, Strong bases

### Hazardous decomposition products

None under normal use conditions

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Product Information**

There is no data available for this product

#### **Inhalation**

Based on available data, the classification criteria are not met

#### **Eye contact**

May result in permanent damage including blindness

#### **Skin contact**

Based on available data, the classification criteria are not met

#### **Ingestion**

Based on available data, the classification criteria are not met

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) -	>2000 mg/kg	>2000 mg/kg	
Alkanes, chloro 61788-76-9	>2000 mg/kg ( Rat )	>2000 mg/kg ( Rabbit )	
Sulfonic acids, petroleum, sodium salts 68608-26-4	5000 mg/kg ( Rat )		
Highly refined base oil (Viscosity >20.5 cSt @40°C) -	>2000 mg/kg	>2000 mg/kg	
Alcohols, C6-10, ethoxylated propoxylated 68987-81-5	2380 - 2745 mg/kg ( Rat )	>2000 mg/kg ( Rabbit )	
2,2'-Oxydiethanol 111-46-6	12565 mg/kg ( Rat )	= 11890 mg/kg ( Rabbit )	
Neutralised 2-amino-2-methylpropanol 124-68-5*	2900 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	
Neutralised Benzotriazole 95-14-7*	560 mg/kg ( Rat )	> 1 g/kg ( Rat )	
2,2'-Iminodiethanol 111-42-2	1100 mg/kg ( Rat )		
2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol 4719-04-4	= 763 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	0.371 mg/L (4h) (Rat)
3-Iodo-2-propynyl butylcarbamate 55406-53-6	= 1470 mg/kg ( Rat )		

**Information on toxicological effects****Symptoms**

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing. Corrosive - causes irreversible eye damage.

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

May cause sensitization by skin contact.

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

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

Chemical name	ACGIH	IARC	NTP	OSHA
2,2'-Iminodiethanol 111-42-2	A3	Group 2B		X

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Group 2B - Possibly Carcinogenic to Humans

OSHA: (Occupational Safety & Health Administration)

X - Present

**Reproductive toxicity**

May cause harm to breastfed babies.

**Specific target organ toxicity (single exposure)**

Based on available data, the classification criteria are not met.

**Specific target organ toxicity**

May cause damage to organs through prolonged or repeated exposure. May cause

(repeated exposure) damage to organs through prolonged or repeated exposure if swallowed.

Aspiration hazard Based on available data, the classification criteria are not met.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

No special environmental measures are necessary

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Alkanes, chloro	>3.2: 96 hr Selenastrum capricornutum mg/L EC50	>5000: 96 h Alburnus alburnus mg/L LC50		0.006: 48 h Daphnia magna mg/L EC50
Sulfonic acids, petroleum, sodium salts		3.9: 96 h Oncorhynchus mykiss mg/L LC50 32.6: 96 h Pimephales promelas mg/L LC50		3.9: 48 h Daphnia magna mg/L EC50
Alcohols, C6-10, ethoxylated propoxylated		1 - 10: 96 h Pimephales promelas mg/L LC50		1 - 10: 48 h Daphnia magna mg/L EC50
2,2'-Oxydiethanol	1000: 72 h Skeletonema costatum mg/L EC50	75200: 96 h Pimephales promelas mg/L LC50 flow-through		84000: 48 h Daphnia magna mg/L EC50
Neutralised 2-amino-2-methylpropanol	520: 72 h Desmodesmus subspicatus mg/L EC50	190: 96 h Lepomis macrochirus mg/L LC50 static		193: 48 h Daphnia magna mg/L EC50
Neutralised Benzotriazole	15.4: 96 h freshwater algae mg/L EC50	39: 96 h Oncorhynchus mykiss mg/L LC50		141.6: 48 h water flea mg/L EC50
2,2'-Iminodiethanol	2.2: 96 h Pseudokirchnerella subcapitata mg/L EC50	1370 - 1550: 96 h Pimephales promelas mg/L LC50		30.1 - 89.9: 48 h Daphnia magna mg/L EC50
2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	6.66: 72 h Desmodesmus subspicatus mg/L EC50	16.07: 96 h Brachydanio rerio mg/L LC50		11.9: 48 h Daphnia magna mg/L EC50
3-Iodo-2-propynyl butylcarbamate	0.053: 72 h Scenedesmus subspicatus mg/L EC50	0.067: 96 h Oncorhynchus mykiss mg/L LC50		0.16: 48 h Daphnia Magna mg/L EC50

**Persistence and degradability** No information available.

### Bioaccumulation

Chemical name	Partition coefficient
2,2'-Oxydiethanol 111-46-6	-1.98
2,2'-Iminodiethanol 111-42-2	-2.18
3-Iodo-2-propynyl butylcarbamate 55406-53-6	2.8

**Mobility** The product is insoluble and sinks in water. Is not likely mobile in the environment due to 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** Empty containers should be taken to an approved waste handling site for recycling or disposal.



## SECTION 14: TRANSPORT INFORMATION

<b><u>DOT</u></b>	Not regulated
<b><u>TDG</u></b>	Not regulated
<b><u>MEX</u></b>	
<b>UN/ID no</b>	UN3082
<b>Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALKANES, CHLORO, ALCOHOLS, C6-10, ETHOXYLATED PROPOXYLATED), 9, III
<b><u>IATA</u></b>	
<b>UN/ID no</b>	UN3082
<b>Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>ERG Code</b>	9L
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALKANES, CHLORO, ALCOHOLS, C6-10, ETHOXYLATED PROPOXYLATED), 9, III
<b><u>IMDG</u></b>	
<b>UN/ID no</b>	UN3082
<b>Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>EmS-No</b>	F-A, S-F
<b>Vessel Stowage Location Code</b>	A
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALKANES, CHLORO, ALCOHOLS, C6-10, ETHOXYLATED PROPOXYLATED), 9, III, Marine pollutant

## SECTION 15: REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	Complies
<b>DSL</b>	All components are NOT on the Chemical Inventory
<b>AICS</b>	Does not Comply
<b>PICCS</b>	Does not Comply
<b>KECL</b>	Does not Comply
<b>IECSC</b>	Does not Comply
<b>ENCS</b>	Does not Comply
<b>TCSI</b>	Does not Comply

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

**U.S. 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:

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire hazard</b>	no
<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, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
2,2'-Iminodiethanol	100 lb	

**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: 92 g/L gVOC/L (ASTM E-1868-10)

**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.

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

Not applicable

**Persistent Organic Pollutants**

Not applicable

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

Not applicable

**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
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

## SECTION 16: OTHER INFORMATION

---

**NFPA**                      **Health hazards** 3                      **Flammability** 1                      **Instability** 0                      **Physical and chemical properties** -

**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

**Revision Date**    10-12-2016

**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**