



SAFETY DATA SHEET

Issuing Date: 04-18-2015

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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): 73230030-M
Product Name HOUGHTO-DRAW WD MM 40
Product Registration number
Denmark -
Norway -
Sweden -
EC # Not Applicable
Pure substance/preparation Contains 2,2'-Iminodiethanol, Amines, coco alkyl, ethoxylated, Amides, tall-oil fatty, N,N-bis(hydroxyethyl), Sulfonic acids, petroleum, sodium salts, 1-phenoxypropan-2-ol, Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Metalworking fluid Forming

Uses advised against Any other purpose.

1.3. Details of the supplier of the safety data sheet

Manufacturer, Importer, Supplier

Houghton plc
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Trafford Park
Manchester
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E-mail: MSDS@uk.houghtonglobal.com

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İstanbul
Türkiye
Phone Number: +90 216 325 15 15

1.4. Emergency telephone number

3E Company: (+)1 760 476 3961 (Code 333938)

Austria	Notfall-Telefonnummer +43 (0) 1 406 4343
Bulgaria	Телефон за спешни случаи +359 2 9154 409
Switzerland	145; +41 (0) 44 254 51 51
Czech Republic	Telefonní číslo pro naléhavé situace +420 224 919 293
Denmark	Ring til Giftlinjen på +45 82 12 12 12
Finland	Hätäpuhelinumero +358 09 471 977
France	Numéro d'appel d'urgence +33 (0)1 45 42 5959
Hungary	Díjmentesen hívható zöld szám +36 80 20 11 99
Ireland	Emergency telephone number +353 01 809 2166
Netherlands	Telefoonnummer voor +31 30 274 88 88
Norway	Nødnummer +47 22 59 13 00
Poland	112
Portugal	Número de telefone de emergência +351 808 250 143
Romania	Număr de telefon care poate fi apelat în caz de urgență +021 318 36 06 (08:00-15:00)
Spain	Número de teléfono de emergencia +34 91 562 0420
Sweden	Telefonnummer för nödsituationer +46 08 33 12 31 (09:00-17:00)
Turkey	(+)1 760 476 3959 (Code 333938)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	Category 1 - (H318)
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Contains 1,2-Benzisothiazol-3(2H)-one, Ethanol, 2,2'-[[[(methyl-1H-benzotriazol-1-yl)methyl]imino]bis- (CAS: 80584-88-9; 80584-89-0), Neutralised Ethanol, 2,2'-[[[(methyl-1H-benzotriazol-1-yl)methyl]imino]bis- (CAS: 80584-88-9; 80584-89-0) May produce an allergic reaction.

2.2. Label Elements

Contains 2,2'-Iminodiethanol, Amines, coco alkyl, ethoxylated, Amides, tall-oil fatty, N,N-bis(hydroxyethyl), Sulfonic acids, petroleum, sodium salts, 1-phenoxypropan-2-ol, Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics



Signal Word
DANGER

Hazard Statements

H318 - Causes serious eye damage

EUH208 - Contains 1,2-Benzisothiazol-3(2H)-one, Ethanol, 2,2'-[[[(methyl-1H-benzotriazol-1-yl)methyl]imino]bis- (CAS: 80584-88-9; 80584-89-0), Neutralised Ethanol, 2,2'-[[[(methyl-1H-benzotriazol-1-yl)methyl]imino]bis- (CAS: 80584-88-9; 80584-89-0) May produce an allergic reaction.

EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor/physician

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1. Substances / 3.2. Mixtures

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

Chemical Name	EC-No	CAS-No	Weight %	Classification (Reg. 1272/2008)	REACH Registration Number
Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics	927-285-2	NOT AVAILABLE	10% - 25%	Asp. Tox. 1 (H304) Aquatic Chronic 4 (H413) (EUH066)	01-2119480162-45-xxx x
Sulfonic acids, petroleum, sodium salts	271-781-5	68608-26-4	2.5% - 10%	Eye Dam. 1 (H318)	01-2119527859-22-xxx x
Amides, tall-oil fatty, N,N-bis(hydroxyethyl)	268-949-5	68155-20-4	2.5% - 10%	Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	no data available
Highly refined base oil (Viscosity >20.5 cSt @40°C)	-	-	2.5% - 10%	**	-
1-phenoxypropan-2-ol	212-222-7	770-35-4	2.5% - 10%	Eye Irrit. 2 (H319)	01-2119486566-23-xxx x
Amines, coco alkyl, ethoxylated	-	61791-14-8	1% - 2.5%	Eye Irrit. 2 (H319) Acute Tox. 4 (H302)	no data available
Alcohols, C12-14, ethoxylated propoxylated	-	68439-51-0	1% - 2.5%	Aquatic Acute 1 (H400)	no data available
2,2'-Iminodiethanol	203-868-0	111-42-2	1% - 2.5%	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) STOT RE 2 (H373) Eye Dam. 1 (H318) Aquatic Chronic 3 (H412)	01-2119488930-28-xxx x
1,2-Benzisothiazol-3(2H)-one	220-120-9	2634-33-5	0% - 1%	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317)	no data available

				Aquatic Acute 1 (H400)	
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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.

Full text of H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first-aid measures

General advice	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.
Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms occur.
Skin contact	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.
Eye contact	Keep eye wide open while rinsing. 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.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Call a POISON CENTER or doctor/physician if exposed or you feel unwell.
Protection of First-aiders	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.

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

Main Symptoms	Rash, Redness, Itching, May cause allergic skin reaction, Eye damage/irritation, Repeated exposure may cause skin dryness or cracking
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4.3. Indication of immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically. May cause sensitization of susceptible persons.
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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 CO2, dry chemical, or foam, Water spray or fog

Extinguishing media which shall not be used for safety reasons

None

5.2. Special hazards arising from the substance or mixture**Special Hazard**

Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous Decomposition Products

None under normal use

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary

SECTION 6: Accidental release measures

6.1. 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

Material can create slippery conditions.

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

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.

7.2. 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

Shelf life 12 months.

Incompatible Materials

Strong oxidizing agents, Strong acids, Strong bases

7.3. Specific end uses

Specific use(s)

Metalworking fluid Forming

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chemical Name	European Union	United Kingdom	France	Spain
Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics				VLA-EC: 10 mg/m ³ VLA-ED: 5 mg/m ³
Highly refined base oil (Viscosity >20.5 cSt @40°C)				VLA-EC: 10 mg/m ³ VLA-ED: 5 mg/m ³
2,2'-Iminodiethanol			VME: 3 ppm VME: 15 mg/m ³	S* TWA: 0.46 ppm TWA: 2 mg/m ³

Chemical Name	Germany	Italy	Portugal	The Netherlands
2,2'-Iminodiethanol	MAK: 1 mg/m ³ Ceiling / Peak: 1 mg/m ³ Skin		TWA: 2 mg/m ³	

Chemical Name	Austria	Switzerland	Poland	Ireland
Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics				STEL: 10 mg/m ³ TWA: 5 mg/m ³ (Mist)
Highly refined base oil (Viscosity >20.5 cSt @40°C)				STEL: 10 mg/m ³ TWA: 5 mg/m ³ (Mist)
2,2'-Iminodiethanol	Skin STEL 0.92 ppm STEL 4 mg/m ³ MAK: 0.46 ppm MAK: 2 mg/m ³	Skin STEL: 1 mg/m ³ MAK: 1 mg/m ³	NDS: 9 mg/m ³ Skin	TWA: 3 ppm TWA: 15 mg/m ³

Chemical Name	Finland	Denmark	Norway	Sweden
Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics	TWA: 5mg/m ³ (Öljysumu)	TWA: 1 mg/m ³ (Olietåge)	TWA: 1 mg/m ³ (Oljetåke)	LLV: 1 mg/m ³ STV: 3 mg/m ³ (Oljedimma)
Highly refined base oil (Viscosity >20.5 cSt @40°C)	TWA: 5mg/m ³ (Öljysumu)	TWA: 1 mg/m ³ (Olietåge)	TWA: 1 mg/m ³ (Oljetåke)	LLV: 1 mg/m ³ STV: 3 mg/m ³ (Oljedimma)
2,2'-Iminodiethanol	TWA: 0.46 ppm TWA: 2 mg/m ³ Skin	TWA: 0.46 ppm TWA: 2 mg/m ³ Skin	TWA: 3 ppm TWA: 15 mg/m ³ STEL: 6 ppm STEL: 22.5 mg/m ³	LLV: 3 ppm LLV: 15 mg/m ³ H STV: 6 ppm STV: 30 mg/m ³

Chemical Name	Czech Republic	Hungary	Bulgaria	Romania
2,2'-Iminodiethanol	Ceiling: 10 mg/m ³ TWA: 5 mg/m ³		TWA: 10.0 mg/m ³ Skin	

Workers Systemic toxicity

Chemical Name	Long term - Oral exposure	Long term - Dermal exposure	Long term - Inhalation exposure	Short term - Oral Exposure	Short term - Dermal exposure	Short term - Inhalation exposure
1-phenoxypropan-2-ol		42 mg/kg	27.5 mg/m ³			
2,2'-Iminodiethanol		0.13 mg/kg				

Workers Local effects

Chemical Name	Long term - Oral exposure	Long term - Dermal exposure	Long term - Inhalation exposure	Short term - Oral Exposure	Short term - Dermal exposure	Short term - Inhalation exposure
2,2'-Iminodiethanol			1 mg/m ³			

Consumers Systemic toxicity

Chemical Name	Long term - Oral	Long term -	Long term -	Short term - Oral	Short term -	Short term -

	exposure	Dermal exposure	Inhalation exposure	Exposure	Dermal exposure	Inhalation exposure
1-phenoxypropan-2-ol	3.65 mg/kg	21 mg/kg	12.7 mg/m ³			
2,2'-Iminodiethanol	0.06 mg/kg	0.07 mg/kg				

Consumers Local effects

Chemical Name	Long term - Oral exposure	Long term - Dermal exposure	Long term - Inhalation exposure	Short term - Oral Exposure	Short term - Dermal exposure	Short term - Inhalation exposure
2,2'-Iminodiethanol			0.25 mg/m ³			

Predicted No Effect Concentration (PNEC)

Chemical Name	Fresh water	Sea water	Fresh water sediment	Sea sediment	Soil
1-phenoxypropan-2-ol	0.1 mg/l	0.01 mg/l	0.38 mg/kg	0.038 mg/kg	0.02 mg/kg
2,2'-Iminodiethanol	0.0022 mg/L	0.00022 mg/L	0.019 mg/kg	0.0019 mg/kg	0.00108 mg/kg

8.2. Exposure controls**Engineering Measures**

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment**Eye Protection**

Tightly fitting safety goggles. Eye protection must conform to standard EN 166.

Hand Protection

Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred.

Skin and body protection

Long sleeved clothing. Apron. Impervious gloves.

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

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

No special environmental precautions required.

Thermal hazards

None under normal use conditions

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state @20°C	liquid	Appearance	opaque amber
Odor	Characteristic	Odor Threshold	Not Applicable
<u>Property</u>	<u>Values</u>	<u>Note</u>	
pH	= 9.5	@5%	
Melting Point / Freezing Point	No information available.		
Boiling point/boiling range	>= 100 °C < 200 °C / >= °F		
Flash point	No information available		
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limits in Air			
upper flammability limit	No information available.		
Lower flammability limit	No information available.		
Vapor pressure	No information available.		
Vapor density	No information available.		
Relative density	= 0.935		
Solubility(ies)	Emulsifies		g/cm ³ @15.5C

Partition coefficient: n-octanol/water	Not Applicable
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity, kinematic	= 49 cSt @ 40 °C
Explosive properties	Not Applicable
Oxidizing Properties	Not Applicable

9.2 Other information

Viscosity, kinematic (100°C)	No information available
Pour point	No information available
VOC Content	No information available

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

Do not freeze

10.5. Incompatible Materials

Strong oxidizing agents, Strong acids, Strong bases

10.6. Hazardous decomposition products

None under normal use conditions

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Product Information - Principle Routes of Exposure**

Inhalation	None known
Eye contact	May result in permanent damage including blindness
Skin contact	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons; Repeated exposure may cause skin dryness or cracking
Ingestion	None known

Acute toxicity - Product Information

Product does not present an acute toxicity hazard based on known information.

Acute toxicity - Component Information

Chemical Name	LD50 Oral (Rat)	LD50 Dermal (Rat/Rabbit)	LC50 Inhalation
Sulfonic acids, petroleum, sodium salts	5000 mg/kg (Rat)		
Highly refined base oil (Viscosity >20.5 cSt @40°C)	>2000 mg/kg	>2000 mg/kg	
1-phenoxypropan-2-ol	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	
Amines, coco alkyl, ethoxylated	750 mg/kg (Rat)		
Alcohols, C12-14, ethoxylated propoxylated	3400 mg/kg (Rat)		
2,2'-Iminodiethanol	~1600 mg/kg (Rat)	>8200 mg/kg (Rabbit)	
1,2-Benzisothiazol-3(2H)-one	1020 mg/kg (Rat)	4115 mg/kg (Rat)	

Skin corrosion/irritation	None known.
Serious eye damage/eye irritation	Causes severe eye damage.
Sensitization	
Respiratory Sensitization	None known.
Skin sensitization	Skin Sens. Cat. 1.
Germ Cell Mutagenicity	None known.
Carcinogenicity	None known.
Reproductive toxicity	None known.
Specific target organ systemic toxicity (single exposure)	None known
Specific target organ systemic toxicity (repeated exposure)	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	None known.
Symptoms	Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. Prolonged skin contact may defat the skin and produce dermatitis. Corrosive - causes irreversible eye damage.

SECTION 12: Ecological information

12.1. Toxicity

No special environmental measures are necessary.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
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
1-phenoxypropan-2-ol	>100: 72 h Scenedesmus subspicatus mg/L EC50	>220 - 460: 96 h Leuciscus idus mg/L LC50 280: 96 h Pimephales promelas mg/L LC50		370: 48 h Daphnia magna mg/L EC50
2,2'-Iminodiethanol	7.8: 72 h Desmodesmus subspicatus mg/L EC50 2.1 - 2.3: 96 h Pseudokirchneriella subcapitata mg/L EC50	4460-4980: 96 h Pimephales promelas mg/L LC50 flow-through 1200-1580: 96 h Pimephales promelas mg/L LC50 static 600-1000: 96 h Lepomis macrochirus mg/L LC50 static		55: 48 h Daphnia magna mg/L EC50

1,2-Benzisothiazol-3(2H)-one	0.11: 72 h Selenastrum capricornutum mg/L EC50 0.15: 72 h Desmodemus subspicatus mg/L EC50	2.18: 96 h Oncorhynchus mykiss mg/L LC50 5.9: 96 h Lepomis macrochirus mg/L LC50	2.94: 48 h Daphnia magna mg/L EC50
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12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Chemical Name	log Pow
1-phenoxypropan-2-ol	1.41
2,2'-Iminodiethanol	-2.18
1,2-Benzisothiazol-3(2H)-one	0.4

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6. Other adverse effects

None known

SECTION 13: Disposal considerations

13.1. Waste treatment methods**Waste from Residues / Unused Products**

Dispose of as hazardous waste in compliance with local and national regulations

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Observe all label precautions until container is cleaned, reconditioned or destroyed.

Other Data

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

14.1. UN-Number

Not regulated

14.2. UN proper shipping name

Not regulated

14.3. Transport hazard class

Not regulated

14.4. Packing group

Not regulated

14.5. Environmental Hazards

None.

14.6. Special precautions for users

None.

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

Not applicable

IMDG/IMO Not regulated

ADR/RID Not regulated

ICAO/IATA Not regulated

SECTION 15: Regulatory information

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

The Classification, Labeling and Packaging of Substances and Mixtures (CLP) Regulation (EC 1272/2008)
Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

Statutory Instruments: Control of Substances Hazardous to Health Regulations 2002. Chemicals (Hazard Information and Packaging) Regulations 2009.

Acts of Parliament: The Health and Safety at Work etc. Act 1974. Environment Protection Act 1990.

Regulation on classification, labeling, of hazardous chemicals (2002 changing 2005). Appendix VI to Regulation on classification, labeling etc. of hazardous chemicals (2002 changing 2010), list of hazardous substances (as amended). Guidelines for submission and declaration of hazardous waste (2009). Transport of dangerous goods: ADR, RID, IMDG and IATA. Administrative norms for pollution of the atmosphere, 2009.

Workplace exposure limits (EH40)

WGK Classification

Severe hazard to water/Class 3

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	EC-No	REACH Registration Number
Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated	101316-72-7	309-877-7	01-2119489969-06-xxxx
Lubricating oils (petroleum), used, noncatalytically refined	101316-73-8	309-878-2	02-2119822310-56-xxxx
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	265-090-8	
Residual oils (petroleum), solvent-refined	64742-01-4	265-101-6	01-2119488707-21-xxxx
Extracts (petroleum), residual oil solvent	64742-10-5	265-110-5	01-2119488175-30-xxxx
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	265-155-0	01-2119467170-45-xxxx
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	265-156-6	
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	265-157-1	01-2119484627-25-xxxx
Residual oils (petroleum), hydrotreated	64742-57-0	265-160-8	01-2119489287-22-xxxx
Lubricating oils (petroleum), hydrotreated spent	64742-58-1	265-161-3	
Residual oils (petroleum), solvent-dewaxed	64742-62-7	265-166-0	01-2119480472-38-xxxx
Distillates (petroleum), solvent-dewaxed heavy, paraffinic	64742-65-0	265-169-7	01-2119471299-27-xxxx
Paraffin oils (petroleum), catalytic dewaxed heavy	64742-70-7	265-174-4	01-2119487080-42-xxxx
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0	276-737-9	01-2119474878-16-xxxx
Lubricating oils (petroleum), C20-C50, hydrotreated	72623-87-1	276-738-4	01-2119474889-13-xxxx

neutral oil-based			
Lubricating oils	74869-22-0	278-012-2	
Paraffin oils	8012-95-1	232-384-2	
White mineral oil (petroleum)	8042-47-5	232-455-8	01-2119487078-27-xxxx

15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information**Key or legend to abbreviations and acronyms used in the safety data sheet**

Repr.-Reproduction toxicity
 Asp. Tox. - Aspiration Toxicity
 Acute Tox. - Acute Toxicity
 Aquatic Acute - Acute Aquatic Toxicity
 Aquatic Chronic - Chronic Aquatic Toxicity
 Eye Dam. - Eye Damage
 Eye Irrit. - Eye Irritation
 Skin Corr. - Skin Corrosion
 Skin Irrit. - Skin Irritation
 Skin Sens. - Skin Sensitizer
 Resp. Sens. - Respiratory Sensitizer
 STOT SE - Specific target organ systemic toxicity (Single exposure)
 STOT RE - Specific target organ systemic toxicity (repeated exposure)
 VOC - Volatile organic compounds

Full text of H-Statements referred to under sections 2 and 3

<ul style="list-style-type: none"> • H224 - Extremely flammable liquid and vapor • H225 - Highly flammable liquid and vapor • H226 - Flammable liquid and vapor • H270 - May cause or intensify fire; oxidizer • H271 - May cause fire or explosion; strong oxidizer • H272 - May intensify fire; oxidizer • H290 - May be corrosive to metals • H300 - Fatal if swallowed • H301 - Toxic if swallowed • H302 - Harmful if swallowed • H304 - May be fatal if swallowed and enters airways • H310 - Fatal in contact with skin • H311 - Toxic in contact with skin • H312 - Harmful in contact with skin • H314 - Causes severe skin burns and eye damage • H315 - Causes skin irritation • H317 - May cause an allergic skin reaction • H318 - Causes serious eye damage • H319 - Causes serious eye irritation • H330 - Fatal if inhaled • H331 - Toxic if inhaled • H332 - Harmful if inhaled • H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled • H335 - May cause respiratory irritation • H336 - May cause drowsiness or dizziness • H340 - May cause genetic defects 	<ul style="list-style-type: none"> • H341 - Suspected of causing genetic defects • H350 - May cause cancer • H351 - Suspected of causing cancer • H360 - May damage fertility or the unborn child • H361 - Suspected of damaging fertility or the unborn child • H362 - May cause harm to breast-fed children • H370 - Causes damage to organs • H371 - May cause damage to organs • H372 - Causes damage to organs through prolonged or repeated exposure • H373 - May cause damage to organs through prolonged or repeated exposure • H400 - Very toxic to aquatic life • H410 - Very toxic to aquatic life with long lasting effects • H411 - Toxic to aquatic life with long lasting effects • H412 - Harmful to aquatic life with long lasting effects • H413 - May cause long lasting harmful effects to aquatic life. • H360Df - May damage the unborn child. Suspected of damaging fertility • H360D - May damage the unborn child • H360FD - May damage fertility. May damage the unborn child • H360F - May damage fertility • H361d - Suspected of damaging the unborn child • H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child • H361f - Suspected of damaging fertility • EUH066 - Repeated exposure may cause skin dryness or cracking • EUH210 - Safety data sheet available on request. • EUH208 - May produce an allergic reaction
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Exposure scenario

No information available.

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Revision Note

Disclaimer

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