

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 2/13/2025 Version: 1.1

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

#### 1.1. Product identifier

Product form : Mixture : Mould Oil 3083 Product name Product code 8619

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

#### Relevant identified uses

Use of the substance/mixture : Lubricants and additives

#### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer

Millers Oils Ltd Hillside Oilworks Rastrick Common

HD6 3DP Brighouse, West Yorkshire

United Kingdom

T +44 (0)1484 713201, F +44 (0)1484 721263

h.s@millersoils.co.uk

#### 1.4. Emergency telephone number

**Emergency number** : +44 (0)1484 713201

# **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

# Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2 H315 H319 Serious eye damage/eye irritation, Category 2 Hazardous to the aquatic environment - Chronic Hazard, H412

Category 3

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

# Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS07

Signal word (CLP) : Warning

Hazard statements (CLP) : H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P264 - Wash hands, forearms and face thoroughly after handling.

P280 - Wear protective clothing, eye protection, face protection. P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P273 - Avoid release to the environment.

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P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

# **SECTION 3: Composition/information on ingredients**

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
DISTILLATES (PETROLEUM) HYDROTREATED HEAVY PARAFFINIC substance with national workplace exposure limit(s) (AT, BE, CZ, DE, EE, ES, FI, FR, GB, GR, HR, IE, IT, LV, NL, PL, PT, SI, CH); substance with a Community workplace exposure limit	CAS-No.: 64742-54-7 EC-No.: 265-157-1 REACH-no: 01-2119484627- 25	≥ 50 - < 70	Not classified
Ethanol, 2,2'-iminobis-, N-C12-18-alkyl derivs.	CAS-No.: 71786-60-2 EC-No.: 276-014-8 REACH-no: 01-2119957489- 17	≥ 1 – < 10	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Repr. 2, H361fd Aquatic Chronic 1, H410

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

# **SECTION 4: First aid measures**

# 4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention. Take

off contaminated clothing and wash it before reuse.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Get medical advice/attention if you feel unwell. Rinse mouth. Do not induce vomiting.

First-aid measures for first aider : First aid workers will be equipped with suitable personal protective equipment.

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

Symptoms/effects after inhalation : None under normal conditions.

Symptoms/effects after skin contact : Irritation.
Symptoms/effects after eye contact : Eye irritation.

Symptoms/effects after ingestion : None under normal conditions.

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

Treat symptomatically.

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#### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Strong water jet.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : No fire hazard.

Explosion hazard : No direct explosion hazard. Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Advice for firefighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper

protective equipment, including respiratory protection.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

# **SECTION 6: Accidental release measures**

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

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.

Absorb spillage to prevent material damage.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. See section 8 of the SDS for more

information on personal protective equipment.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

#### 6.2. Environmental precautions

Avoid release to the environment

# 6.3. Methods and material for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to

prevent migration and entry into sewers or streams. Stop leak without risks if possible.

Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local

legislation. Absorb spilled material with sand or earth.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

# **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear

personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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# 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Keep cool. Protect from sunlight.

Packaging materials : Store always product in container of same material as original container.

### 7.3. Specific end use(s)

No additional information available

# **SECTION 8: Exposure controls/personal protection**

# 8.1. Control parameters

National occupational exposure and biological limit values

	DISTILLATES (PETROLEUM) HYDROTREATED HEAVY PARAFFINIC (64742-54-7)		
	EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA 5 mg/m³			

#### **DNEL and PNEC**

DISTILLATES (PETROLEUM) HYDROTREATED HEAVY PARAFFINIC (64742-54-7)			
DNEL/DMEL (Workers)			
Long-term - systemic effects, dermal	0.97 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	2.73 mg/m³		
Long-term - local effects, inhalation	5.58 mg/m³		
DNEL/DMEL (General population)			
Long-term - systemic effects,oral	0.74 mg/kg bodyweight/day		
PNEC (Oral)			
PNEC oral (secondary poisoning)	9.33 mg/kg food		
Ethanol, 2,2'-iminobis-, N-C12-18-alkyl derivs. (71786-60-2)			
DNEL/DMEL (Workers)			
Long-term - systemic effects, dermal	0.17 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	0.59 mg/m³		
DNEL/DMEL (General population)			
Long-term - systemic effects,oral	0.06 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	0.09 mg/m³		
Long-term - systemic effects, dermal	0.06 mg/kg bodyweight/day		
PNEC (Water)			
PNEC aqua (freshwater)	0.183 μg/l		
PNEC aqua (marine water)	0.0183 μg/l		
PNEC aqua (intermittent, freshwater)	1 μg/l		
PNEC (Sediment)			
PNEC sediment (freshwater)	1.692 mg/kg dwt		
PNEC sediment (marine water)	0.1692 mg/kg dwt		

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Ethanol, 2,2'-iminobis-, N-C12-18-alkyl derivs. (71786-60-2)			
PNEC (Soil)			
PNEC soil 5 mg/kg dwt			
PNEC (Oral)			
PNEC oral (secondary poisoning) 2 mg/kg food			
PNEC (STP)			
PNEC sewage treatment plant 2200 µg/l			

### 8.2. Exposure controls

#### **Appropriate engineering controls**

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protection equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### Personal protective equipment symbol(s):







#### Eye and face protection

#### Eye protection:

Safety glasses

#### Skin protection

# Skin and body protection:

Wear suitable protective clothing

# Hand protection:

Protective gloves

#### **Respiratory protection**

# Respiratory protection:

No respiratory protection needed under normal use conditions

#### **Environmental exposure controls**

#### **Environmental exposure controls:**

Avoid release to the environment.

# **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour : Not available Odour Not available Odour threshold Not available Melting point : Not applicable : Not available Freezing point Boiling point : Not available : Non flammable. Flammability Lower explosion limit : Not available Upper explosion limit : Not available : > 200 °C Flash point Auto-ignition temperature : Not available

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Decomposition temperature : Not available pH : Not available Viscosity, kinematic : 170 mm²/s @40oC Solubility : Insoluble.

Partition coefficient n-octanol/water (Log Kow)

Vapour pressure

Vapour pressure at 50°C

Density

Relative density

Relative vapour density at 20°C

Particle characteristics

Not available

Not available

Not available

Not available

Not available

#### 9.2. Other information

No additional information available

# **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

Oxidizing agent.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# **SECTION 11: Toxicological information**

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

DISTILLATES (PETROLEUM) HYDROTREATED HEAVY PARAFFINIC (64742-54-7)			
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)		
LD50 dermal rabbit	> 5000 mg/kg		
LC50 Inhalation - Rat (Dust/Mist)	> 5.53 mg/l/4h		

Skin corrosion/irritation : Causes skin irritation.

Ethanol, 2,2'-iminobis-, N-C12-18-alkyl derivs. (71786-60-2)		
рН	8 – 10 @5%	

Serious eye damage/irritation : Causes serious eye irritation.

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Ethanol, 2,2'-iminobis-, N-C12-18-alkyl derivs. (71786-60-2)			
рН	8 – 10 @5%		
Respiratory or skin sensitisation :	Not classified		
Germ cell mutagenicity :	Not classified		
Carcinogenicity :	Not classified		
Reproductive toxicity : Not classified			
STOT-single exposure :	Not classified		
STOT-repeated exposure :	Not classified		
DISTILLATES (PETROLEUM) HYDROTREATED HEAVY PARAFFINIC (64742-54-7)			
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)		
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	> 0.98 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)		
Ethanol, 2,2'-iminobis-, N-C12-18-alkyl derivs. (71786-60-2)			
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity Study in Rodents)		

Day Oral Toxicity Study in Rodents)

Aspiration hazard : Not classified

## **Mould Oil 3083**

NOAEL (oral, rat, 90 days)

170 mm<sup>2</sup>/s @40oC Viscosity, kinematic

### **DISTILLATES (PETROLEUM) HYDROTREATED HEAVY PARAFFINIC (64742-54-7)**

Viscosity, kinematic 15 - 21 mm<sup>2</sup>/s @40oC

### 11.2. Information on other hazards

#### **Endocrine disrupting properties**

Adverse health effects caused by endocrine disrupting properties

: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

30 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-

# **SECTION 12: Ecological information**

# 12.1. Toxicity

Ecology - general Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term : Not classified

(chronic)

Hazardous to the aquatic environment, long-term : Harmful to aquatic life with long lasting effects.

Ethanol, 2,2'-iminobis-, N-C12-18-alkyl derivs. (71786-60-2)		
LC50 - Fish [1]	0.1 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)	
EC50 - Crustacea [1]	0.84 mg/l Test organisms (species): Daphnia magna	

### 12.2. Persistence and degradability

Mould Oil 3083	
Persistence and degradability	Not established.

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DISTILLATES (PETROLEUM) HYDROTREATED HEAVY PARAFFINIC (64742-54-7)		
Persistence and degradability Not rapidly degradable		
Ethanol, 2,2'-iminobis-, N-C12-18-alkyl derivs. (71786-60-2)		
Persistence and degradability Not rapidly degradable		

#### 12.3. Bioaccumulative potential

Mould Oil 3083	
Bioaccumulative potential	No bioaccumulation data available.

# 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

# 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

#### 12.7. Other adverse effects

No additional information available

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Regional waste regulation

Waste treatment methods

Additional information

HP Code

Sewage disposal recommendations

Product/Packaging disposal recommendations

: Disposal must be done according to official regulations.

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

: Disposal must be done according to official regulations.

: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Avoid release to the

environment.

: Do not re-use empty containers.

: HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

# **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated for transport				
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

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ADR	IMDG	IATA	ADN	RID	
14.3. Transport hazard class(es)					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.4. Packing group					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.5. Environmental hazards					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
No supplementary information available					

#### 14.6. Special precautions for user

#### **Overland transport**

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### **Inland waterway transport**

Not regulated

#### Rail transport

Not regulated

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

# **SECTION 15: Regulatory information**

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

# **EU-Regulations**

#### **REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

#### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

# PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

# Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

#### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

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### **Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

# 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# **SECTION 16: Other information**

Abbreviations and acronyms:				
ACGIH	American Conference of Government Industrial Hygienists			
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways			
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road			
ATE	Acute Toxicity Estimate			
BCF	Bioconcentration factor			
BLV	Biological limit value			
BOD	Biochemical oxygen demand (BOD)			
CAS-No.	Chemical Abstract Service number			
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008			
COD	Chemical oxygen demand (COD)			
CSA	Chemical safety assessment			
DMEL	Derived Minimal Effect level			
DNEL	Derived-No Effect Level			
EC-No.	European Community number			
EC50	Median effective concentration			
ED	Endocrine disruptor			
EN	European Standard			
EWC	European waste catalogue			
IARC	International Agency for Research on Cancer			
IATA	International Air Transport Association			
IMDG	International Maritime Dangerous Goods			
LC50	Median lethal concentration			
LD50	Median lethal dose			
LOAEL	Lowest Observed Adverse Effect Level			
Log Kow	Partition coefficient n-octanol/water (Log Kow)			
Log Pow	Partition coefficient n-octanol/water (Log Pow)			
MAK	maximum workplace concentration			
NOAEC	No-Observed Adverse Effect Concentration			
NOAEL	No-Observed Adverse Effect Level			
NOEC	No-Observed Effect Concentration			
N.O.S.	Not Otherwise Specified			
OECD	Organisation for Economic Co-operation and Development			

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Abbreviations and acronyms:		
OEL	Occupational Exposure Limit	
OSHA	Occupational Safety Health Administration	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
PPE	Personal protection equipment	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
TF	Technical function	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
TWA	Time Weighted Average	
VOC	Volatile Organic Compounds	
vPvB	Very Persistent and Very Bioaccumulative	
UFI	Unique Formula Identifier	

Full text of H- and EUH-statements:		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1	
Repr. 2	Reproductive toxicity, Category 2	
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C	
H302	Harmful if swallowed.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H319	Causes serious eye irritation.	
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.	
H410	Very toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	

# The classification complies with

: ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.