



SAFETY DATA SHEET

MILLCOOL 20

Page: 1

Compilation date: 20/08/2013

Revision date: 08/10/2021

Revision No: 1c

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: MILLCOOL 20

Product code: 7781

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

1.3. Details of the supplier of the safety data sheet

Company name: Millers Oils Ltd
Hillside Oilworks
Rastrick Common
Brighouse
West Yorkshire
HD6 3DP
United Kingdom

Tel: +44 (0)1484 713201

Fax: +44 (0)1484 721263

Email: h.s@millersoils.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0)1484 713201

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Irrit. 2: H319

Most important adverse effects: Causes serious eye irritation.

2.2. Label elements

Label elements:

Hazard statements: H319: Causes serious eye irritation.

Hazard pictograms: GHS07: Exclamation mark



Signal words: Warning

[cont...]

SAFETY DATA SHEET

MILLCOOL 20

Page: 2

Precautionary statements: P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists: Get medical attention.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

PETROLUM, SULFONATED, SODIUM SALTS - REACH registered number(s): 01-2119527859-22-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
271-781-5	68608-26-4	-	Eye Irrit. 2: H319	1-10%

2,2'-OXYBISETHANOL - REACH registered number(s): 01-2119457857-21-XXXX

203-872-2	111-46-6	-	Acute Tox. 4: H302	1-10%
-----------	----------	---	--------------------	-------

ISOTRIDECANOL ETHOXYLATED - REACH registered number(s): 01-2119976362-32

931-138-8	69011-36-5	-	Eye Dam. 1: H318	1-10%
-----------	------------	---	------------------	-------

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

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

Skin contact: Occasional contact with undiluted product is unlikely to cause any significant reaction. Prolonged contact with undiluted product may cause defatting of skin barrier, leading to cracking and soreness.

Eye contact: Eye contact with undiluted product may cause moderate irritation and stinging. There may be a potential to cause corneal injury if treatment is not prompt. Dilute emulsions are expected to cause only slight transient irritation or redness.

Ingestion: The product has a low order of acute toxicity; ingestion is not regarded as a significant hazard likely to arise in normal use.

[cont...]

SAFETY DATA SHEET

MILLCOOL 20

Page: 3

Inhalation: The product is unlikely to present any significant hazard at ambient temperatures. High temperatures or atomising systems may lead to generation of vapours, mists or fumes which could cause irritation to eyes, and respiratory tract. Repeated excessive exposure to oil mists may cause respiratory damage and a condition resembling pneumonia.

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Carbon dioxide. Alcohol resistant foam. Dry chemical powder. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Store in dry conditions between 0 and 40oC

[cont...]

SAFETY DATA SHEET

MILLCOOL 20

Page: 4

7.3. Specific end use(s)

Specific end use(s): PC25: Metal working fluids.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

2,2'-OXYBISETHANOL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	101 mg/m ³	-	-	-

DNEL/PNEC Values

Hazardous ingredients:

2,2'-OXYBISETHANOL

Type	Exposure	Value	Population	Effect
DNEL	Dermal	43 mg/kg bw/day	Workers	-
DNEL	Dermal	21 mg/kg bw/day	Consumers	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

Hand protection: Wear oil impervious gloves when handling undiluted product. Prolonged or repeated contact with diluted metalworking fluid is often unavoidable, in such circumstances; the use of barrier and after work creams may be beneficial.

Eye protection: Safety goggles. Face-shield. Ensure eye bath is to hand.

Skin protection: Oil-resistant protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Brown

Odour: Mild

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: Miscible

Viscosity: No data available.

Kinematic viscosity: 100 - 200

Boiling point/range°C: >100

Melting point/range°C: No data available.

Flammability limits %: lower: No data available.

[cont...]

SAFETY DATA SHEET

MILLCOOL 20

Page: 5

Flash point°C: >100
Autoflammability°C: No data available.
Relative density: 1.01
VOC g/l: No data available.

upper: No data available.
Part.coeff. n-octanol/water: No data available.
Vapour pressure: No data available.
pH: 9 - 9.4

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

2,2'-OXYBISETHANOL

DERMAL	RBT	LD50	13300	mg/kg
ORAL	RAT	LD50	19600	mg/kg

ISOTRIDECANOL ETHOXYLATED

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg

[cont...]

SAFETY DATA SHEET

MILLCOOL 20

Page: 6

Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: Occasional contact with undiluted product is unlikely to cause any significant reaction. Prolonged contact with undiluted product may cause defatting of skin barrier, leading to cracking and soreness.

Eye contact: Eye contact with undiluted product may cause moderate irritation and stinging. There may be a potential to cause corneal injury if treatment is not prompt. Dilute emulsions are expected to cause only slight transient irritation or redness.

Ingestion: The product has a low order of acute toxicity; ingestion is not regarded as a significant hazard likely to arise in normal use.

Inhalation: The product is unlikely to present any significant hazard at ambient temperatures. High temperatures or atomising systems may lead to generation of vapours, mists or fumes which could cause irritation to eyes, and respiratory tract. Repeated excessive exposure to oil mists may cause respiratory damage and a condition resembling pneumonia.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

2,2'-OXYBISETHANOL

Daphnia magna	48H EC50	> 10000	mg/l
pimephales promelas	96H LC50	75200	mg/l

ISOTRIDECANOL ETHOXYLATED

Cyprinus carpio	96H LC50	1-10	mg/l
Daphnia magna	48H EC50	1-10	mg/l
Desmodesmus subspicatus (green algae)	72H EC50	1-10	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

[cont...]

SAFETY DATA SHEET

MILLCOOL 20

Page: 7

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: Arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

This safety data sheet is prepared in accordance with Commission Regulation (EC) No 1272/2008.

Conforms to regulation (EC) No 1907/2006 (REACH)

Phrases used in s.2 and s.3: H302: Harmful if swallowed.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

