

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006
as amended by Regulation (EC) No 453/2010

Print date:
04/03/2014

Version:
1

Revision date:
04/03/2014

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

Product identifier

Product trade name: **QUAKERCOOL 7101 LF**

Use of the substance/preparation

Application: Machining and grinding fluid

Company/undertaking identification

Supplier:

Quaker Chemical B.V.
Industrieweg 7
1422 AH Uithoorn
The Netherlands
Phone: +31 (0) 297 544 644
Fax: +31 (0) 297 544 694
Internet: www.quakerchem.com

Informing department:

Safety, Health and Environment (SHE)
Phone: +31 (0) 297 544 568
E-mail: SHEQEU@quakerchem.com

Emergency telephone number:

United Kingdom: **08 448 920 111**

National Poisons Information Services (24/7)

Ireland: **01 837 99 64**

Poisons information centre of Ireland (24/7)

SECTION 2: Hazards identification

Indication of danger:

None

Most important hazards:

None

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. Product is a mixture.

3.2 Mixture

Description of the mixture:

Product is a mixture of: mineral oil, water, salt, additives.

Hazardous ingredients:

Components	EC No	Index No.	REACH Registration No.	Weight %	Classification according to 67/548/EEC	Classification according to Regulation (EC) No 1278/2008 (CLP)
Mineral oil	Listed	Listed	01-2119471299-27	30 - 100	None	Asp. Tox. 1 (H304)
Alkyl alcohol	Listed	Listed	01-2119486566-23	1 - 5	Xi;R36	Eye Irrit. 2 (H319)
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	266-235-8			1 - 5	C;R34 Xn;R20/22 R52	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Skin Corr. 1C (H314)
Mineral oil* Mixture*	Listed		05-2114648119-44	1 - 5	None	None
Sulfonate	Listed	Not Listed		1 - 5	Xi;R36	Eye Irrit. 2 (H319)

SECTION 4: First aid measures

General advice:	No hazards which require special first aid measures.
Inhalation:	Move to fresh air. Consult a physician if necessary.
Skin contact:	Wash off immediately with soap and plenty of water.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids. If symptoms persist, call a physician.
Ingestion:	Do not induce vomiting. Consult a physician.
Note to physician:	Treat symptomatically.

SECTION 5: Firefighting measures

Flashpoint (°C): Not applicable - boils at 100°C (product contains water)

Explosive Limits:

- | | |
|----------------|-------------------|
| - lower limit: | No data available |
| - upper limit: | No data available |

Suitable extinguishing media: Use dry chemical, CO2, water spray or "alcohol" foam

Extinguishing media which must not be used for safety reasons: High volume water jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: Carbon monoxide (CO)
Formaldehyde
Nitrogen oxides (NOx)
Sulphur oxides (SOx)

Specific hazards: No information available

Unusual hazards: None known

Special protective equipment for fire-fighters: Standard procedure for chemical fires.

Specific methods: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

Personal precautions: Ensure adequate ventilation.

Environmental precautions: Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

SECTION 7: Handling and storage

Handling

Technical measures/precautions: Provide sufficient air exchange and/or exhaust in work rooms.

Safe handling advice: In case of insufficient ventilation, wear suitable respiratory equipment.

Storage

Technical measures/storage conditions: Store at room temperature in the original container

Incompatible products: No special restrictions on storage with other products

Safe storage temperature: 4 - 35 °C

SECTION 8: Exposure controls/personal protection

Exposure controls

Exposure Limit Values

Components	OEL - STEL	OEL - TWA
Mineral oil	10 mg/m ³	5 mg/m ³
Alkyl alcohol	No data available	No data available
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	No data available	No data available
Mineral oil* Mixture*	10 mg/m ³	5 mg/m ³
Sulfonate	No data available	No data available

Further information: None

Occupational exposure controls

Engineering measures: Ensure adequate ventilation.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection: For example: Neoprene gloves (0.75 mm - 30 min)

Eye protection: Safety glasses

Skin and body protection: Long sleeved clothing

Environmental exposure controls

Recommendations: None

SECTION 9: Physical and chemical properties

Property	Result
Appearance	
Physical state:	Liquid
Colour:	Light amber
Odour:	Characteristic
Odour threshold:	Mild odour
pH 100%:	9.9
Melting point/range (°C):	<0
Boiling point/range (°C):	100
Flashpoint (°C):	Not applicable - boils at 100°C (product contains water)
Flammability (solid/gas):	No data available
Explosive Limits:	
- upper limit:	No data available
- lower limit:	No data available
Vapor pressure (kPa):	No data available
Relative density:	0.973 (g/cm ³)
at	35 (°C)
Solubility:	
- water solubility:	Emulsifiable
- fat solubility:	Not determined
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature (°C):	Not determined
Decomposition temperature (°C):	Not determined
Viscosity:	40 (mm ² /s)
at	40 (°C)
Oxidising properties:	No data available

SECTION 10: Stability and reactivity

Stability:

Stable under recommended storage conditions.

Conditions to avoid:

None known

Materials to avoid:

Strong oxidizing agents

Hazardous decomposition products:

None under normal use

Hazardous Polymerization:

Not applicable

SECTION 11: Toxicological information

Information on toxicological effects

LD50 (oral/rat): > 2000 mg/kg (calculated)

Components	LD50 - Oral, Rat (mg/kg)	LD50 - Dermal, Rabbit (mg/kg)	LC50 - Inhalation, Rat, 4h (mg/l)
Mineral oil	>5000	>5000	5.53
Alkyl alcohol	>2000	No data available	No data available
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	900	1207 - 1620	2
Mineral oil* Mixture*	>2000	>2000	No data available
Sulfonate	>2000	>2000	No data available

Long-term effects

Other long-term effects: No data available

SECTION 12: Ecological information

Ecotoxicity

LC50 (Fish - 96h): >100 mg/l

EC50 (Water Flea - 48h): >100 mg/l

IC50 (Algae - 72h): >100 mg/l

Components	LC50 (Fish - 96h)	EC50 (Water Flea - 48h)	EC50 (Algae - 72h)
Mineral oil	>100 mg/l	>100 mg/l	>100 mg/l
Alkyl alcohol	280 mg/l (Pimephales promelas)	370 mg/l (Daphnia magna)	>100 mg/l (Desmodesmus subspicatus)
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	No data available	37.9 mg/l (Daphnia magna)	5.7 mg/l (Desmodesmus subspicatus)
Mineral oil* Mixture*	>100 mg/l	>100 mg/l	>100 mg/l
Sulfonate	>100 mg/l	>100 mg/l	>100 mg/l

Surface tension: No data available

Persistence and degradability

Degradation (qualitative): Easily biological degradable

Components	Log Pow:	Bioconcentrationfactor (BCF):
Mineral oil	>3	
Alkyl alcohol	1.52	<100
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	-0.3	

SECTION 13: Disposal considerations

Waste from residues/unused products:	Dispose of in accordance with local regulations
Contaminated packaging:	Dispose of as unused product.
Methods for cleaning up:	No information available
EWC waste disposal No.:	12 01 07*

SECTION 14: Transport information

ADR	Not regulated
IMDG	Not regulated
IATA	Not regulated

SECTION 15: Regulatory information

European regulations

EC classification and labelling (67/548/EEC - 1999/45/EC)

Indication of danger: None

R phrases: None

S phrases: None

EC EINECS/ELINCS/NLP list: This product complies with EINECS

National regulations

In the Czech Republic

ACT 350 of 27 October 2011 on chemical substances and mixtures and amending certain Acts

France

Tableaux de maladies
professionnelles: 36

Germany

Water hazard classes
(Wassergefährdungsklassen): 1(S)

SECTION 16: Other information

Indication of changes

Version: 1
Revision date: 04/03/2014
Reason for revision: New formulation

Abbreviations and acronyms

List of relevant R phrases

R34 - Causes burns.
R36 - Irritating to eyes.
R52 - Harmful to aquatic organisms.
R20/22 - Harmful by inhalation and if swallowed.

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

H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H314 - Causes severe skin burns and eye damage
H319 - Causes serious eye irritation
H332 - Harmful if inhaled

Further information:

Training advice: See our technical data sheet.

Sources of key data used to compile the data sheet: Material safety data sheets of the ingredients.

Disclaimer

This product's safety information is provided to assist our customers in assessing compliance with safety/health/environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. Quaker Chemical Corporation ("Quaker") assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of Quaker.

End of Safety Data Sheet

HV V3.0