



MK STAINLESS

SAFETY DATA SHEET

MK STAINLESS

According to REGULATION (EC) No 1907/2006
Data di aggiornamento : 12/19/2012, Version 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier: MK STAINLESS
Sales code: 3225465
Internal code: 042225-02
Use of the substance/preparation
Application: Machining and grinding fluid
Company/undertaking identification
Supplier: DROPSA SpA - Via B. Croce, 1- 20090 Vimodrone (Mi)
 Tel. +39 02 250791 - Fax +39 02 2507767
 sales@dropsa.com

2. HAZARDS IDENTIFICATION

Indication of danger: N - Dangerous for the environment
 Most important hazards: 64 - May cause harm to breastfed babies.
 R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the substance or preparation:
 Product is a mixture of:
 solvent, mineral oil, chlorinated paraffin, additives.

According to Council Directive 67/548/EEC:

HAZARDOUS COMPONENTS

Components	% in peso	Classification	EC No.	Annex No.
Alkanes	30 - 100	Xn;R65 R66	Listed	Not Listed
Alkanes, C14-17, chlor 85535-85-9	10-30	N;R50/53 R64 R66	287-477-0	602-095-00-X
Sulphurized hydrocarbon	5-10	None	Listed	Listed

According to Regulation (EC) No 1272/2008:

HAZARDOUS COMPONENTS

Components	% in peso	Classification	Registration No.
Alkanes	30 - 100	Asp. Tox. 1 (H304) EUH066	01-2119485515-31
Alkanes, C14-17, chlor 85535-85-9	10-30	Lact. (H362) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) EUH066	01-2119519269-33
Sulphurized hydrocarbon	5-10	Acute Tox. 4 (H332)	Not yet assigned

4. FIRST AID MEASURES

General advice::

Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may only appear several hours later. Keep under medical supervision for at least 48 hours.

Inhalation:

Move to fresh air. Consult a physician.

Skin contact::

Consult a physician. Wash off immediately with soap and plenty of water.



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Eye contact:: Rinse immediately with plenty of water, also under the eyelids. If symptoms persist, call a physician..

Ingestion Clean mouth with water and drink afterwards plenty of water. Call a physician immediately.

Note to physician: Treat symptomatically. In case of ingestion, the stomach should be emptied by gastric lavage under qualified medical supervision.

5. FIRE-FIGHTING MEASURES

Flash Point (°C): 110

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)
Hydrogen chloride (HCl)
Sulphur oxides (SOx)

Specific hazards: No information available

Unusual hazards: None known

Special protective equipment for firefighters: Standard procedure for chemical fires

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

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).

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit Value

Component	OEL	STEL OEL
Alkanes	No data available	1200 mg/m ³
Alkanes, C14-17, chlor 85535-85-9	No data available	5.75 mg/kg 0.4 mg/m ³
Sulphurized hydrocarbon	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

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



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9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Property</u>	<u>Result</u>
Appearance	Physical state: Liquid Color: Yellow
Odour:	Characteristic
Odour threshold:	Mild odor
pH 100%:	Not applicable: Product does not contain water
Melting point/range (°C):	<4
Boiling point/range (°C):	>150
Flash Point (°C):	110
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:	0.900 (g/cm3)
at	15 (°C)
Solubility:	- water solubility: Not soluble - fat solubility::
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature (°C):	Not determined
Decomposition temperature (°C):	Not determined
Viscosity:	8 - 12 (mm ² /s)
at	40 (°C)
Oxidising properties:	No data available

10. STABILITÀ E REATTIVITÀ

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

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
Alkanes	5000	No data available	No data available
Alkanes, C14-17, chlor 85535-85-9	>2000	No data available	No data available
Sulphurized hydrocarbon	>3000	No data available	No data available

Long-term effects

Other long-term effects: No data available

12. ECOLOGICAL INFORAMTION

Ecotoxicity

LC50 (Fish - 96h):	1 - 10 mg/l
EC50 (Water Flea - 48h):	1 - 10 mg/l
IC50 (Algae - 72h):	1 - 10 mg/l



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Components	LC50 (Fish)	96h) EC50 (Water Flea)	48h) EC50 (Algae)
Alkanes	No data available	No data available	No data available
Alkanes, C14-17, chlor 85535-85-9	>5000 mg/L (Alburnus (brackish water)	0.00059 mg/l (Daphnia magna)	No data available
Sulphurized hydrocarbon	>100 mg/l (Danio rerio)	No data available	No data available

Surface tension: No data available

Persistence and degradabilità

Degradation (qualitative): No easily biological degradable

Components	log Pow: Bioconcentrationfactor (BCF):	log Pow: Bioconcentrationfactor (BCF):
Alkanes	8.11	
Alkanes, C14-17, chlor 85535-85-9	6	
Sulphurized hydrocarbon	6.1	

13. DISPOSAL CONSIDERATION

Waste from residues/unused products: Dispose in accordance with local regulations
 Contaminated packaging: Dispose of as unused product
 Methods for cleaning up: No information available
 EWC waste disposal No.: 120107

14. TRANSPORT INFORMATION

ADR

NU No: UN 3082
 Name and description: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Chlorinated Paraffins (C14-17))
 Hazard class: 9
 Packing group: III
 Classification code: M6

IMDG/IMO

NU No: UN 3082
 Name and description: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Chlorinated Paraffins (C14-17))
 Hazard class: 9
 Packing group: III
 EMS no: F-A, S-F
 Classification code: F-A, S-F

IATA

NU No: UN 3082
 Name and description: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Chlorinated Paraffins (C14-17))
 Hazard class: 9
 Packing group: III

15. REGULATORY INFORMATION

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

Indication of danger: N - Dangerous for the environment.
 R phrases:: R64 - May cause harm to breastfed babies.
 R combination phrases:: R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic
 S phrases:: S29 - Do not empty into drains.
 S57 - Use appropriate containment to avoid environmental contamination.
 S60 - This material and its container must be disposed of as hazardous waste
 S combination phrases: S37/39 - Wear suitable gloves and eye/face protection.



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EC EINECS/ELINCS/NLP list:

This product complies with EINECS

National regulations

France

Maladies Professionnelles (F): 12
22
36
84

Germany

Water endangering class WGK (D): 2 (S)

16. OTHER INFORMATION

Indication of changes

Version: 2

Revision date: 12/19/2012

Reason for revision: general revision.

Abbreviations and acronyms

List of relevant R phrases

R64 - May cause harm to breastfed babies.

R65 - Harmful: may cause lung damage if swallowed.

R66 - Repeated exposure may cause skin dryness or cracking.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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

EUH066 - Repeated exposure may cause skin dryness or cracking

H304 - May be fatal if swallowed and enters airways

H332 - Harmful if inhaled

H362 - May cause harm to breast-fed children

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

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.

Dropsa spa 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