

Material Safety Data Sheet

MOCOOL

8474

Version nr : 1.01

Revised : 10/04/2007

Supersedes : 24/01/2007



Xn - Harmful

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

Product Information

Commercial Product Name **MOCOOL**
Product code **8474**
Use of the Substance/Preparation concentrated coolant fluid

Manufacturer, importer, supplier

Supplier MOTUL - Regulation Departement
Zone Industrielle - Chemin du Corps de Garde
77360 VAIRES SUR MARNE - FRANCE
Telephone 33.1.48.11.45.60
Telefax 33.1.48.11.45.61
EMERGENCY TELEPHONE NUMBER ORFILA : 33.1.45.42.59.59
Responsible Department Health and Safety Department
Health and Safety Department

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>Weight %</u>	<u>CAS-No.</u>	<u>EINECS-No.</u>
Methyl-1H-benzotriazole Xn,R22,R52/53	1 - 2,99 %	29385-43-1	249-596-6
Sodium 2-ethylhexanoate Xn,R63	20 - 34,99 %	19766-89-3	243-283-8

3. HAZARDS IDENTIFICATION

EC Label

Specific hazards Toxic for reproduction cat 3
Xn - Harmful
Possible risk of harm to the unborn child.
none under normal use
none under normal use
- physico-chemical properties No hazards resulting from material as supplied.
- properties affecting health None known
- environmental properties Ecological injuries are not known or expected under normal use.

4. FIRST AID MEASURES

General advice In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).



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- | | |
|----------------|--|
| - Inhalation | Move to fresh air.
If symptoms persist, call a physician. |
| - Eye contact | Rinse immediately with plenty of water, also under the eyelids.
Consult a physician if necessary |
| - Skin contact | Take off all contaminated clothing immediately.
Wash off immediately with soap and plenty of water. |
| - Ingestion | Clean mouth with water and drink afterwards plenty of water.
Do not induce vomiting without medical advice. |

5. FIRE-FIGHTING MEASURES

- | | |
|--------------------------|--|
| - Specific methods | not combustible product, use a appropriate material to surround fire.
Water mist may be used to cool closed containers. |
| - Under fire conditions: | Dispose of promptly. |

6. ACCIDENTAL RELEASE MEASURES

- | | |
|---------------------------|---|
| Personal precautions | Depending on the risk of exposure, wear gloves, goggles, and protective clothing.
Ensure adequate ventilation.
Choose body protection according to the amount and concentration of the dangerous substance at the work place. |
| Environmental precautions | Do not let product enter drains.
Local authorities should be advised if significant spillages cannot be contained.
For environmental protection remove and wash all contaminated protective equipment before re-use. |
| Methods for cleaning up | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Contaminated surfaces will be extremely slippery.
Clean with detergents. Avoid solvents. |

7. HANDLING AND STORAGE

Handling

- | | |
|----------------------------------|---|
| - Technical measures/Precautions | Provide sufficient air exchange and/or exhaust in work rooms.
Handle in accordance with good industrial hygiene and safety practice.
When using do not smoke. |
|----------------------------------|---|

Storage

- | | |
|---|--|
| - Technical measures/Storage conditions | Keep containers tightly closed in a dry, cool and well-ventilated place.
Keep away from direct sunlight.
Keep away from food, drink and animal feeding stuffs.
Protect against ... du gel |
|---|--|

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s)

MOTUL
119, bd Félix Faure
B.P. 94
93303 Aubervilliers Cedex
France

phone : 0033.1.48.11.70.00
fax : 0033.1.48.33.28.79
Email : alafeuil@motul.fr

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Personal protective equipment

Respiratory protection

Hand protection (EN 420, EN 374-3)

Eye protection (EN 166)

Skin and body protection (DIN - EN 465)

Hygiene measures

Engineering measures

Breathing apparatus needed only when aerosol or mist is formed.
protective gloves

safety glasses

As required, wear a face mask, fluid-proof protective clothing, and safety boots (when handling drums)

Don't wear ring, watch or similar thing which will be able to hold the product and may give rise to some skin diseases,

Handle in accordance with good industrial hygiene and safety practice.

Take off all contaminated clothing immediately.

When using do not eat or drink.

Avoid contact with the skin and the eyes.

Provide sufficient air exchange and/or exhaust in work rooms.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	liquid
Colour	violet
Odour	none
Density	1 kg/l à 20°C
pH	9,5
Flash point	
open cup	not applicable
Water solubility	soluble

10. STABILITY AND REACTIVITY

Stability	Stable at normal conditions
Conditions to avoid	
Materials to avoid	Incompatible with oxidising agents.
Hazardous decomposition products	carbon oxyde aldehydes ketones

11. TOXICOLOGICAL INFORMATION



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Local effects

The following toxicological data shown are those obtained from tests on products of similar composition in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 1994.

Ingestion

Ingestion of larger amounts may cause nausea and diarrhoea.

Eye contact

redness and pain

Skin contact

irritant effects

Chronic toxicity

May cause birth defects.

12. ECOLOGICAL INFORMATION

Aquatic toxicity

Ecological injuries are not known or expected under normal use.

Ecotoxicity effects

no data available

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

Send to an approved Waste Collector
Collect all waste in suitable and labelled containers and dispose of in compliance with licence from HMIP issued under sections 6 & 7 of the Radioactive Substances Act 1960.

Contaminated packaging

Do not flush into surface water or sanitary sewer system.
Where possible recycling is preferred to disposal or incineration.
The user's attention is drawn to the possible existence of local regulations regarding disposal.

NOTE

Send to an approved Waste Collector
In accordance with local and national regulations.
waste nomenclature on 11/11/1997

14. TRANSPORT INFORMATION

Land transport

Class

not regulated

Sea transport

Class

not regulated

Air transport

Class

not regulated

15. REGULATORY INFORMATION

15. Regulatory information

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Hazardous components

Sodium 2-ethylhexanoate

Weight %

20 - 34,99

CAS-No.

19766-89-3

EINECS-No.

243-283-8

Symbol(s):

Xn - Harmful

R-phrases)

R63 - Possible risk of harm to the unborn child.

S-phrases)

S36/37 - Wear suitable protective clothing and gloves.

S46 - If swallowed, seek medical advice immediately and show this container or label.

S36 - Wear suitable protective clothing.

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France

This safety data sheet complies with the recommendations of European Community and French regulations. Contact your local branch for adaptation to specific national requirements.

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16. OTHER INFORMATION

16. Other information

This dossier supplements the technical notifications for use, but does not replace them. The information which it contains is based on our knowledge relating to the product in question on the date indicated. The information is given in good faith. The user's attention is also drawn to possible risks incurred if a product is employed for uses other than those for which it was designed. The information dossier does not, under any circumstances, discharge the user from the obligation of being aware of, and of applying, all the texts which govern his sphere of activity. He shall be solely responsible for taking the precautions associated with the use which he makes of the product. All the statutory provisions referred to are intended simply to assist the recipient in fulfilling the obligations incumbent upon him. This enumeration must not be considered to be exhaustive. The recipient must ensure that no obligations are incumbent upon him, as a result of texts other than those cited, relating to the holding and handling of the product, for which he alone is responsible.

Text of R phrases mentioned in Section 2 R22 - Harmful if swallowed.
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R63 - Possible risk of harm to the unborn child.

This data sheet conforms to standards defined by directives 2001/58/CE
Data sheet prepared by MOTUL.

IMPORTANT: The information in this Data Sheet applies only to the products designated herein and produced or supplied by us. It is based on our experience and on the data available to us at the time of its issue and is accurate to the best of our knowledge.