



Material Safety Data Sheet

RBF 660 FACTORY LINE USA

8472

Version nr : 1.01

Revised : 20/04/2007

Supersedes : 05/01/2007

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

Product Information

Commercial Product Name **RBF 660 FACTORY LINE USA**
Product code **8472**

Use of the Substance/Preparation Brake Fluid

Manufacturer, importer, supplier

Supplier MOTUL - Regulation Departement
Zone Industrielle - Chemin du Corps de Garde
77360 VAIRES SUR MARNE - FRANCE

Telephone 33.1.64.72.86.23
Telefax 33.1.64.72.86.28

EMERGENCY TELEPHONE NUMBER ORFILA : 33.1.45.42.59.59

Responsible Department Health and Safety Department

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation

Hazardous components

	<u>Weight %</u>	<u>CAS-No.</u>	<u>EINECS-No.</u>
Butyl tri glycol Xi,R36	< 20 %	143-22-6	205-592-6
2-(2-methoxyethoxy)ethanol; diethylene glycol monomethyl ether XN,R63	< 5 %	111-77-3	203-906-6
2,2'-oxydiethanol Xn,R22	< 25 %	111-46-6	203-872-2

3. HAZARDS IDENTIFICATION

EC Label

Specific hazards none under normal use
Prolonged skin contact may cause skin irritation. modérée

- physico-chemical properties No hazards resulting from material as supplied.

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).

- Inhalation No hazards which require special first aid measures

- 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 DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water.
Get immediate medical attention.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media dry powder

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| - Specific methods
- Under fire conditions: | foam
carbon dioxide (CO2)
In the event of fire, wear self-contained breathing apparatus.
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.
Prevent product from entering drains.
Use personal protective equipment.
Shovel into suitable container for disposal. |

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. |
| - Safe handling advice | Avoid contact with skin and eyes. |

Storage

- | | |
|---|--|
| - Technical measures/Storage conditions | Use only receptacles, joints, pipes, etc, which are resistant to hydrocarbons.
Keep containers tightly closed in a dry, cool and well-ventilated place.
Keep away from food, drink and animal feeding stuffs.
Do not let product enter drains.
Keep out of reach of children.
Store in original container.
Keep in a bunded area.
Keep containers dry and tightly closed to avoid moisture absorption and contamination. en particulier les huiles minérales qui sont incompatibles |
| - Incompatible products | Incompatible with strong acids and oxidising agents. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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Exposure limit(s)
: 8h 100mg/m3 TWA



Personal protective equipment

Respiratory protection

Hand protection (EN 420, EN 374-3)

Eye protection (EN 166)

Skin and body protection (DIN - EN 465)

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,

Hygiene measures

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.

Engineering measures

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	liquid
Odour	slight
Density	1,04 - 1,09 à 20°C
pH	7 - 10,5 SAE J 1703
Boiling point/range	> 260 °C SAE J 1703
Flash point open cup	> 100 °C IP36
Water solubility	soluble
Solubility in other solvents	soluble soluble in l'ethanol
Viscosity	5 - 10 CST ASTM D 445
Autoinflammability	> 300 °C

10. STABILITY AND REACTIVITY

Stability	Stable at normal conditions
Materials to avoid	Incompatible with oxidising agents. Incompatible with acids.
Hazardous decomposition products	Incomplete combustion produces toxic gases, such as CO, CO2, various forms of hydrocarbons, aldehydes etc., and soots.

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.

Acute toxicity

Ingestion

Health injuries are not known or expected under normal use.

LD50/oral/rat =

Kidney injury may occur.

Eye contact

> 5000 mg/kg

Irritating to eyes.

Skin contact

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

LD50/dermal/rabbit =

> 2000 mg/kg

Inhalation

Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons.

Chronic toxicity

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

12. ECOLOGICAL INFORMATION

Persistence and degradability

Readily biodegradable, according to appropriate OECD test.

Bioaccumulation

Readily biodegradable (100 % after 21 days)

Log Pow < 2

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

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.

Do not flush into surface water or sanitary sewer system.

Send to an approved Waste Collector

Where possible recycling is preferred to disposal or incineration.

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

Send to an approved Waste Collector

In accordance with local and national regulations.

The user's attention is drawn to the possible existence of local regulations regarding disposal.

14. TRANSPORT INFORMATION

Land transport

Class

not regulated

Sea transport

Class

not regulated

Air transport

Class

not regulated

15. REGULATORY INFORMATION

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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.
R36 - Irritating to eyes.
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.