

MOTUL**SAFETY DATA SHEETS**

MOT57

Product:**RACING BRAKE FLUID 600**

Product code: 3829

Version: 1

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Date: 07/11/1995

1. Identification of the substance/preparation and of the company/undertaking.

Trade name: RACING BRAKE FLUID 600
Product code MOTUL: 3829
Company identification: MOTUL S.A - Regulation department
Address and telephone Nr.: Zone Industrielle - Chemin du Corps de Garde
77360 VAIRES SUR MARNE- FRANCE
Phone number: 33.1.64.72.86.23
Fax: 33.1.64.72.86.28
Telex: MOTUL 235779F
Emergency phone Nr.: ORFILA : 33.1.45.42.59.59

2. Composition/information on ingredients**PREPARATION**

Chemical nature :

Borate esters of polyalkylglycolalkylethers.

Components contributing to the hazard :

1 % Weight Monoethanolamine CR34-R20 CAS N° 141-43-5

3. Hazards identification.

EEC dangerous preparations directive :

Not classified

Transport code :

Not classified

Important hazards:

The hazard evaluation was based on data from similar materials.

May cause mild eye irritation.

Prolonged or repeated contact may cause transient irritation.

4. First-aid measures.

Inhalation:

In case of prolonged exposure, move affected person to fresh air, keep warm and at rest. Seek medical advice, if necessary.

Skin contact:

Remove contaminated clothes.

Wash thoroughly with soap and water.

If irritation persists, seek medical advice.

Eye contact:

Keep eyelids apart.

Continue rinsing for at least 10 minutes.

Seek medical advice.

Ingestion:

Do not induce vomiting !

Wash out mouth with water.

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Notes to a physician :

Give 1 or 2 glasses of water to drink if victim is fully conscious.
Seek medical attention.

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. Fire - fighting measures.**Extinguishing media:****- Suitable:**

Carbon dioxide, dry chemicals, foam, water spray (fog).

Special protective equipment for fire fighters:

Appropriate protective clothing.

Specific methods :

Use self contained breathing apparatus to prevent from fumes.

6. Accidental release measures.**Environmental precautions:**

Prevent further contamination of soil, surface water or groundwater.

Methods for cleaning up:

Clean up small spills using appropriate techniques such as absorbent materials. Place contaminated materials in disposable containers.

Elimination treatment will have to be made by an agreed collector.

7. Handling and storage.**HANDLING****Safe handling advice :**

Avoid contact with skin and eyes.

STORAGE**Storage conditions :****- Suitable :**

Store in original packaging.

Keep container tightly closed.

Store under shelter at ambient temperature.

Keep away from food, drink and animal feeding stuffs.

Packaging materials :**- Recommended :**

Mild steel, stainless steel.

8. Exposure controls/personal protection.**- Limit values :**

France : Monoethanolamine : 3 ppm VME

USA : Monoethanolamine (OSHA-ACGIH 1992/93)

TWA : 3 ppm - STEL : 6 ppm

Personal protective equipment :

Normal precautions and safe working practices should always be followed to avoid contact : protectives gloves, chemical goggles ..., chemicals

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resistant materials.

Use appropriate barrier and after work creams.

9. Physical and chemical properties (typical values).

Appearance: Liquid.
Colour: Pale yellow.
Odour: Faint ethereal.
pH: 7 - 8
Boiling point/range: 290 - 330°C at 1013 hPa
Flash point (Pensky/Martens): > 115°C
Density: 1070 - 1090 kg/m³ at 20 °C.
Solubility in water: Miscible with water
Viscosity: 1800 mm²/s at - 40 °C

10. Stability and reactivity.

Stability:

Material is normally stable at ambient temperature and under normal conditions of use.

11. Toxicological information.

Local effects:

for prolonged and repeated exposure:

INHALATION:

Unlikely to be hazardous by inhalation.

SKIN CONTACT:

Repeated and/or prolonged contact may cause irritation.

EYE CONTACT:

May cause slight eye discomfort.

INGESTION:

Ingestion is unlikely to cause adverse health effects.

12. Ecological information.

Persistence / degradability:

This product, by analogy, is expected to be substantially biodegradable in water.

Environmental impact:

Soluble in water.

Liquid with low volatility.

Low toxicity to aquatic organisms.

Water polluting class : WGK 1 - Slightly hazardous for water.

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Ecotoxicity :

Aquatic Toxicity - Fish : LC 50 : > 100 mg/l

Bacterial inhibition : IC 50 : > 100 mg/l.

13. Disposal considerations..

Disposal of product:

Dispose of in a safe manner, in accordance with local and national regulations.

14. Transport information.

Transport hazard label:

Not classified under this legislation.

15. Regulatory information.

EEC labelling information:

Other:

Not classified under this legislation.

The above statutory information refers solely to the main requirements for labelling the product, to which the instruction leaflet refers. The recipient is reminded that there may be additional local regulations. It is strongly recommended that all other regulations or local or national laws that might be relevant should be consulted.

16. Other information.

Based on EC Directive 91/155/EEC.

Types of use :

(for other informations see the technical sheet)

HYDRAULIC BRAKE FLUID

This leaflet complements the instruction leaflet but does not replace it. The information it contains is based on the present state of our knowledge of the product concerned, at the date indicated. It is provided in good faith.

The attention of the user is also drawn to the possible risks incurred if the product is put to uses other than those for which it is intended.

It in no way releases the user from knowing and applying the instructions governing usage. He has sole responsibility for taking the necessary precautions for the use he makes of the product.

The sole purpose of the statutory rules mentioned is to help the recipient to fulfil the obligations incumbent upon him when he uses the product.

This instruction set must not be considered exhaustive and does not exonerate the recipient from ensuring that there are no other obligations incumbent upon him, in text other than those cited, concerning the handling and use of the product, for which he is solely responsible.

The above information is based on current knowledge. The aim is to

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describe the product from the point of view of requirements for safety in use and not to guarantee certain properties.

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