



Material Safety Data Sheet

5100 ESTER 10W-40

3081

Version nr : 2.00

Revised : 18/11/2004

Supersedes : 20/06/2003

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

Product Information

Commercial Product Name **5100 ESTER 10W-40**

Product code **3081**

Use of the Substance/Preparation

4 Stroke engine lubricant

P1236010060

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

Polyolefine succinimide polyamine -Polyol
R53

Weight %

< 2 %

CAS-No.

conf

EINECS-No.

conf

Calcium Alkaryl sulfonate
Xi,R43,R53

< 1 %

-

271-877-7

3. HAZARDS IDENTIFICATION

EC Label

Specific hazards

- physico-chemical properties
- properties affecting health
- environmental properties

The product contains no substances known to be hazardous to health in concentrations which need to be taken into account.

none under normal use

No hazards resulting from material as supplied.

None known

Ecological injuries are not known or expected under normal use.

4. FIRST AID MEASURES

General advice

- Inhalation

- Eye contact

- Skin contact

- Ingestion

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

Move to fresh air.

If symptoms persist, call a physician.

Rinse immediately with plenty of water, also under the eyelids.

Consult a physician if necessary

Take off all contaminated clothing immediately.

Wash off immediately with soap and plenty of water.

Clean mouth with water and drink afterwards plenty of water.

Do not induce vomiting without medical advice.

5. FIRE-FIGHTING MEASURES

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<ul style="list-style-type: none">- Suitable extinguishing media- Extinguishing media which must not be used for safety reasons- Specific hazards- Specific methods- Under fire conditions:	<ul style="list-style-type: none">dry powderfoamcarbon dioxide (CO2)high volume water jet <p>Incomplete combustion produces toxic gases, such as CO, CO2, various forms of hydrocarbons, aldehydes etc., and soots. Inhalation is extremely dangerous.</p> <p>In the event of fire, wear self-contained breathing apparatus.</p> <p>Dispose of promptly.</p>	
6. ACCIDENTAL RELEASE MEASURES		
Personal precautions	Depending on the risk of exposure, wear gloves, goggles, and protective clothing.	
Environmental precautions	Choose body protection according to the amount and concentration of the dangerous substance at the work place. Do not let product enter drains. Local authorities should be advised if significant spillages cannot be contained.	
Methods for cleaning up	For environmental protection remove and wash all contaminated protective equipment before re-use. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Contaminated surfaces will be extremely slippery. Prevent product from entering drains. Use personal protective equipment. Shovel into suitable container for disposal.	
7. HANDLING AND STORAGE		
Handling		
<ul style="list-style-type: none">- Technical measures/Precautions- Safe handling advice	Provide sufficient air exchange and/or exhaust in work rooms. Avoid contact with skin and eyes.	
Storage		
<ul style="list-style-type: none">- Technical measures/Storage conditions- Incompatible products	Use only receptacles, joints, pipes, etc, which are resistant to hydrocarbons. Keep containers tightly closed in a dry, cool and well-ventilated place. Do not let product enter drains. Keep at temperatures between 5 and 40 °C. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. Do not smoke. Store in original container. Keep in a banded area. Incompatible with oxidising agents.	
8. EXPOSURE CONTROLS / PERSONAL PROTECTION		

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Personal protective equipment

Respiratory protection

Hand protection : EN 420, EN 374-3

Eye protection

Skin and body protection

Hygiene measures

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

Glove material : nitrile rubber

Layer thickness : 0,11 mm

Breakthrough time : > 480 Min.

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,

When using do not eat or drink.

Avoid contact with the skin and the eyes.

Take off all contaminated clothing immediately.

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

liquid

Colour

light yellow

pH

Not applicable

Flash point

open cup

220 °C ASTM D 92

Water solubility

insoluble

Solubility in other solvents

soluble

Soluble in hydrocarbons

Viscosity

95 mm²/s 40°C ASTM D 445

Explosion limits

not applicable

Specific gravity

875 kg/m³ 15°C NF T 60-101

10. STABILITY AND REACTIVITY

Stability

Stable at normal conditions

Materials to avoid

Incompatible with oxidising agents.

Hazardous decomposition products

Incomplete combustion produces toxic gases, such as CO, CO₂, various forms of hydrocarbons, aldehydes etc., and soots. Inhalation is extremely dangerous.

11. TOXICOLOGICAL INFORMATION

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<u>Local effects</u>		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.	
<u>Acute toxicity</u>		Health injuries are not known or expected under normal use.	
Ingestion		Weakly toxic	
Eye contact		Mild eye irritation	
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.	
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			
Mobility		Soil : In consideration of its physical and chemical characteristics, the product has only slight mobility in the soil. Water : Insoluble, the product spreads over the surface of the water. Do not flush into surface water or sanitary sewer system.	
Aquatic toxicity			
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. Do not flush into surface water or sanitary sewer system.	
Contaminated packaging		Where possible recycling is preferred to disposal or incineration. The user's attention is drawn to the possible existence of local regulations regarding disposal. Send to an approved Waste Collector In accordance with local and national regulations.	
EWC waste disposal No:		130202 - non-chlorinated engine, gear and lubricating oils	
NOTE		-	
14. TRANSPORT INFORMATION			
<u>Land transport</u>			
Class		not regulated	
<u>Sea transport</u>			
Class		not regulated	
<u>Air transport</u>			
Class		not regulated	
15. REGULATORY INFORMATION			
<u>EC Label</u>			
The product contains no substances classified as hazardous to health in concentrations which should be taken into account according to EC directive.			

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Special regulations on certain preparations

This product contains - Calcium Alkaryl sulfonate
May produce an allergic reaction.

France

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

R41 - Risk of serious damage to eyes.

R43 - May cause sensitization by skin contact.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R53 - May cause long-term adverse effects in the aquatic environment.

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.

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