



# Material Safety Data Sheet

8366

Version nr : 1.00

5100 4T 10W-30

Revised : 19/10/2005

Supersedes : / /

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

### Product Information

Commercial Product Name

5100 4T 10W-30

Product code

8366

Use of the Substance/Preparation

4 Stroke engine lubricant

JIN 36010059

### 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

Weight %

&lt; 3 %

CAS-No.

Polymer

EINECS-No.

polymer

R53

Zinc alkydithiophosphate

&lt; 1 %

68649-42-3

272-028-3

Xi,R41,N,R51/53

Calcium Alkyl phenate

&lt; 1 %

90480-91-4

291-829-9

R53

Calcium Alkaryl sulfonate

&lt; 1 %

68610-84-4

271-877-7

Xi,R43,R53

## 3. HAZARDS IDENTIFICATION

### EC Label

Specific hazards

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).

- Inhalation

Move to fresh air.

- Eye contact

If symptoms persist, call a physician.

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

- Skin contact

Consult a physician if necessary

Take off all contaminated clothing immediately.

- Ingestion

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.

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<b>5. FIRE-FIGHTING MEASURES</b>	
- Suitable extinguishing media	dry powder foam carbon dioxide (CO2)
- Extinguishing media which must not be used for safety reasons	high volume water jet
- Specific hazards	Incomplete combustion produces toxic gases, such as CO, CO2, various forms of hydrocarbons, aldehydes etc., and soots. Inhalation is extremely dangerous.
- Specific methods	In the event of fire, wear self-contained breathing apparatus.
- Under fire conditions:	Dispose of promptly.
<b>6. ACCIDENTAL RELEASE MEASURES</b>	
Personal precautions	Depending on the risk of exposure, wear gloves, goggles, and protective clothing. 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. Prevent product from entering drains. Use personal protective equipment. Shovel into suitable container for disposal.
<b>7. HANDLING AND STORAGE</b>	
Handling	
- Technical measures/Precautions	Provide sufficient air exchange and/or exhaust in work rooms.
- 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 at temperatures between 5 and 40 °C. Keep out of reach of children. Do not smoke. Store in original container. Keep in a banded area.
- Incompatible products	Incompatible with oxidising agents.

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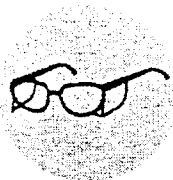
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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION



### 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

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

Glove material : nitrile rubber

Layer thickness : 0,11 mm

Breakthrough time : &gt; 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.

Take off all contaminated clothing immediately.

Handle in accordance with good industrial hygiene and safety practice.

When using do not eat or drink.

Avoid contact with the skin and the eyes.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Colour

pH

Flash point

open cup

Water solubility

Solubility in other solvents

Viscosity

Explosion limits

Specific gravity

liquid

brun ASTM D445 : 6,5

Not applicable

226 °C ASTM D 92

insoluble

soluble

Soluble in hydrocarbons

75 mm<sup>2</sup>/s 40°C ASTM D 445

not applicable

871 kg/m<sup>3</sup> 20°C NF T 60-101

## 10. STABILITY AND REACTIVITY

Stability

Materials to avoid

Hazardous decomposition products

Stable at normal conditions

Incompatible with oxidising agents.

Incomplete combustion produces toxic gases, such as CO, CO<sub>2</sub>, various forms of hydrocarbons, aldehydes etc., and soots. Inhalation is extremely dangerous.

## 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

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.

### 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.

### EWC waste disposal No: NOTE

Send to an approved Waste Collector  
In accordance with local and national regulations.  
130202 - non-chlorinated engine, gear and lubricating oils  
"Avis relatif à la nomenclature ds déchets du 11/11/1997"

## 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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## EC Label

The product contains no substances classified as hazardous to health in concentrations which should be taken into account according to EC directive.

## 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 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

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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