



Material Safety Data Sheet

7100 ESTER 4T 20W-50

8364

Version nr : 1.00

Revised : 07/10/2005

Supersedes : / /

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

Product Information

Commercial Product Name **7100 ESTER 4T 20W-50**
Product code **8364**
Use of the Substance/Preparation **4 Stroke engine lubricant**

3/N 36010067

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	Weight %	CAS-No.	EINECS-No.
<u>Hazardous components</u>			
Polyolefine succinimide polyamine -Polyol	< 3 %	Polymer	polymer
R53			
Zinc alkydithiophosphate	< 1 %	68649-42-3	272-028-3
Xi,R41,N,R51/53			
Calcium Alkaryl sulfonate	< 1 %	68610-84-4	271-877-7
Xi,R43,R53			

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.

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5. FIRE-FIGHTING MEASURES

- | | |
|---|---|
| - Suitable extinguishing media | dry powder
foam
carbon dioxide (CO2)
high volume water jet |
| - Extinguishing media which must not be used for safety reasons | |
| - 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. |

6. ACCIDENTAL RELEASE MEASURES

- | | |
|---------------------------|--|
| 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. |

7. HANDLING AND STORAGE

Handling

- | | |
|----------------------------------|--|
| - Technical measures/Precautions | |
| - Safe handling advice | Provide sufficient air exchange and/or exhaust in work rooms.
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.
Do not let product enter drains.
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 bunded area. |
| - Incompatible products | Incompatible with oxidising agents. |

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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 : > 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,

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.

Take off all contaminated clothing immediately.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

liquid

Colour

red

pH

Not applicable

Flash point

open cup

287 °C ASTM D 92

Water solubility

insoluble

Solubility in other solvents

Soluble in hydrocarbons

soluble

Viscosity

124 mm²/s 40°C ASTM D 445

Explosion limits

not applicable

Specific gravity

864 kg/m³ 20°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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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.

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

"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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