



SAFETY DATA SHEET

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

Identification of the substance or preparation:

Name: 7100 20W50 4T
Product code: 16700

Company/undertaking identification:

Registered company name: MOTUL.
Address: Chemin du Corps de Garde. 77360. VAIRES SUR MARNE. FRANCE.
Telephone: 33.1.64.72.86.00. Fax: 33.1.64.72.86.25.
Email: hse_motul@motul.fr

Emergency telephone: +44 (0)208 762 8322.

Association/Organisation: .

Use of the substance/preparation:

4-stroke engine lubricant

2 - HAZARDS IDENTIFICATION

This product is not classified as flammable. Refer to the recommendations regarding the other products present on the site
May produce an allergic reaction.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 3: see section 16.

Hazardous substances present on their own:

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)
This preparation contains no hazardous substance in this category.

Other substances representing a hazard:

No known substance in this category present.

Substances present at a concentration below the minimum danger threshold:

INDEX	CAS	EC	Name	Symb.	R:	%
	POLYMERE	POLYMERE	POLYOLEFIN POLYAMINE SUCCINIMIDE POLYOL		53	1 <= x % < 2.5

Other substances with occupational exposure limits:

No known substance in this category present.

Other components:

Notes H and L apply.

INDEX	CAS	EC	Name	Symb.	R:	%
649-454-00-7	64741-88-4	265-090-8	DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY PARAFFINIC			2.5 <= x % < 10
649-467-00-8	64742-54-7	265-157-1	DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC			50 <= x % < 100
649-474-00-6	64742-65-0	265-169-7	DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC			0 <= x % < 1
	64742-48-9	265-150-3	NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	Xn	65 66	0 <= x % < 1

May produce an allergic reaction:

INDEX	CAS	EC	Name	Symb.	R:	%
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	68610-84-4	271-877-7	CALCIUM LONG CHAIN ALKARYL SULFONATE	Xi	43 53	0 <= x % < 1
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4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing in an unconscious person.

In the event of exposure by inhalation:

Remove the victim to fresh air. If the symptoms persist, call a physician.

In the event of splashes or contact with eyes:

Wash immediately and abundantly with water, including under the eyelids.

In the event of splashes or contact with skin:

Immediately remove all soiled clothing.

Wash immediately and abundantly with soap and water.

In the event of swallowing:

Rinse the mouth with water then drink a lot of water.

Do not induce vomiting without medical advice.

5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Dry agent, foam, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

High volume water jet

Special protective equipment for fire-fighters:

Wear a self-contained breathing apparatus

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

Do not breathe fumes.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

Consult the safety measures listed under headings 7 and 8.

Spilled product may make surfaces slippery.

Environmental precautions:

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Methods for cleaning up:

Clean preferably with a detergent, do not use solvents.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

Handling:

Avoid contact with skin and eyes.

No special precaution apart from the observance of hygiene rules

Fire prevention:

Prevent access by unauthorised personnel.

Take precautionary measures against static discharges by bonding and grounding equipment.

No smoking.

Recommended equipment and procedures:

For personal safety, see §8.

Observe precautions stated on label and also industrial safety regulations

Ensure good ventilation at the workplace

Prohibited equipment and procedures:

- Smoking, eating and drinking are prohibited in premises where the preparation is used
- Never open the packages under pressure
- Do not breathe fumes, vapour, spray.

Storage:

- Keep the container tightly closed in a dry place.
- Store between 5°C and 30°C in a dry, well ventilated place.
- Only use hydrocarbon-resistant containers, joints and pipes.
- Storage limit 24 months

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Use personal protection equipment as per Directive 89/686/EEC.

Technical measures:

- Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.
- Personnel shall wear regularly laundered overalls.

Respiratory protection:

- Breathing apparatus only when aerosol or spray are formed.

Hand protection:

- Type of gloves recommended :
- Nitrile

Eye and face protection:

- Safety goggles

Skin protection:

- For further information, see § 11 of S.D.S. - Toxicological information.
- Face shield, boots, fluid-impermeable clothing, safety shoes, if needed.

9 - PHYSICAL AND CHEMICAL PROPERTIES**General information:**

Physical state:	fluid liquid
Color:	red

Important health, safety and environmental information:

pH of the substance or preparation:	not relevant.
The pH is impossible to measure or its value is not relevant.	

Flash point interval:	Flash point > 60°C
Flash point:	230.00 °C.
Vapour pressure:	Below 110 kPa (1.10 bar).
Density:	< 1
Water solubility:	Insoluble.
Viscosity:	121.2 mm ² /s à 40°C

10 - STABILITY AND REACTIVITY

The preparation is stable at the handling and storage conditions recommended per § 7 of the safety data sheet,

Conditions to avoid:

- Keep away from heat and from sources of ignition

Materials to avoid:

- Strong oxidants

Hazardous decomposition products:

- Toxic by-products such as carbon monoxide

11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

In the event of exposure by inhalation:

- Inhalation of fumes can cause irritation of the respiratory system of very sensitive individuals.

In the event of swallowing:

Low toxicity when swallowed

In the event of splashes or contact with skin:

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.

In the event of splashes or contact with eyes:

Light irritation of the eyes

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

The product must not be allowed to run into drains or waterways.

Mobility:

Not very mobile in soil.

The product is insoluble in water and will spread on the surface

Other adverse effects:

Germany: WGK 1 (VwVwS vom 17/05/99, KBws)

13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

Waste:

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

13 02 06 * synthetic engine, gear and lubricating oils

14 - TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2009 - IMDG 2008 - ICAO/IATA 2009).

15 - REGULATORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations

In addition directive 2008/58/EC with the 30° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

In addition directive 2009/2/EC with the 31° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

In addition Regulation (EC) No 1272/2008 have been taken into account.

This product is not classified as flammable.

Contains:

Contains 271-877-7	CALCIUM LONG CHAIN ALKARYL SULFONATE. May produce an allergic reaction.
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Particular provisions:

Germany: WGK 1 (VwVwS vom 17/05/99, KBws)

Table no 36

Disorders caused by oil and grease of mineral or synthetic origin.

16 - OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

Full text of risk phrases appearing in section 3:

R 43	May cause sensitisation by skin contact.
R 53	May cause long-term adverse effects in the aquatic environment.

R 65	Harmful: may cause lung damage if swallowed.
R 66	Repeated exposure may cause skin dryness or cracking.