

P.N.S MOT 46

MOTUL**SAFETY DATA SHEETS****Product: 5100 4T 10W40**

Page: 1/6

Product code: 3081

Version: 2

Date: 30/06/1999

Supersedes SDS dated: 05/03/1999

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

Trade name: 5100 4T 10W40
Product code MOTUL: 3081
Company identification: MOTUL - 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**

Components contributing to the
hazard :

1.24 % weight zinc alkylidithiophosphate Symbol : Xi R41
- Alkylarylsulfonate
0.56 % weight calcium long chain alkylarylsulfonate Symbol Xi R43

3. Hazards identification.

EEC dangerous preparations
directive :

Not classified

Transport code :

Not classified

Important hazards:

Adverse human health effects :

This material is not expected to be harmful in normal use and
industrial hygiene.

Specific hazards :

No health hazards known, when used in the application for which it is
intended.

4. First-aid measures.

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In case of serious troubles, seek medical advice or alert emergency
services.

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 soapy water.

SAFETY DATA SHEETS**Product:****5100 4T 10W40**

Page:2/6

Product code: 3081

Version: 2

Date: 30/06/1999

Supersedes SDS dated: 05/03/1999

Eye contact:

(Do not use organic solvents, abrasive products)
If the irritation continues, take a physician advice.
Keep eyelids apart.

Flush immediately with plenty of running water for at least 10 minutes.
If the irritation continues, take an ophtalmologist advice.

Ingestion:

No first aid procedures are normally required.

Do not induce vomiting due to aspiration risks into respiratory tracts, if person is unconscious.

Inhaling :

In case of appearance of symptoms, seek medical advice.

If aspiration is suspected (during vomiting, for instance), seek medical advice urgently.

Particular case :

Pressure injection : always obtain immediate medical attention even though the injury may appear minor.

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

Carbon dioxide, dry chemicals, foam.

Use water spray to keep fire exposed containers cool.

- Not to be used:

direct water jet .

Special exposure hazards:

Combustion can releases toxic gazes, inhalation of which is hazardous.

Specific methods :

In case of fire or explosion do not breathe fumes.

Use self contained breathing apparatus to prevent from fumes.

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

Usual precautions as those used for handling mineral oils and chemical products must be observed. Wear protective clothes and gloves resistant to mineral oils and chemicals penetration.
Caution : slippery product.

Environmental precautions:

Prevent further contamination of soil, surface water or groundwater.
Contact local environmental or health authorities if liquid enters sewers or public waters.

Methods for cleaning up:

Stop the source of the leak or release contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such absorbant materials or pumping.

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

SAFETY DATA SHEETS

Product:**5100 4T 10W40**

Page:3/6

Product code: 3081

Version: 2

Date: 30/06/1999

Supersedes SDS dated: 05/03/1999

7. Handling and storage.

HANDLING

Technical measures :

The risk of skin disorders may be increased if the product has become contaminated.

Inhalation of the vapours, fumes or mists should be avoided by good ventilation and safe working practices.

Prevent all contact with skin, eyes. Observe plan hygiene recommendations.

Precautions :

Avoid sources of ignition.

Safe handling advice :

Only use mineral oils and chemicals resistant materials.

Avoid spatter.

STORAGE

Storage conditions :**- Suitable :**

Store under shelter.

Store in original packaging.

Keep container tightly closed.

Store away from flammable materials.

Keep away from food, drink and animal feeding stuffs.

Prevent further contamination of soil, surface water or groundwater.

Incompatible products :

May react with strong oxidizing agents.

Packaging materials :**- Recommended :**

Compatible with most common metals.

8. Exposure controls/personal protection.

Personal protective equipment :

In cases of repeated or prolonged contact, use impervious gloves and clothes.

Hygiene measures :

Do not wipe hands with rags used for cleaning operations.

Remove contaminated clothes.

Avoid breathing vapours, fumes or spray mists.

When using, do not eat, drink or smoke.

Avoid prolonged and frequent contact with skin and eyes.

9. Physical and chemical properties (typical values).

Appearance:

Liquid.

Colour :

Amber.

pH (concentrated product):

Not applicable.

Flash point :

220°C (ASTM D 92)

SAFETY DATA SHEETS

Product:**5100 4T 10W40**

Page:4/6

Product code: 3081

Version: 2

Date: 30/06/1999

Supersedes SDS dated: 05/03/1999

Density : 865 (Kg/m³) at 15°C. (NFT 60-101)
Solubility in water: Insoluble in water
Solubility : Soluble in hydrocarbon solvents.
Soluble with most common solvents.
Viscosity : 92.7 mm²/s at 40°C (NFT 60-100)

10. Stability and reactivity.

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

Materials to avoid: Avoid contact with strong oxidizers agents.

Hazardous decomposition products: Incomplete combustion or thermal decomposition may produce oxides of carbon, sulfur, nitrogen, phosphorus.

11. Toxicological information.

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Acute toxicity : The hazard evaluation was based on data from the components. On the basis of available data, this product is not expected to cause acute toxicity.

Local effects : for prolonged and repeated exposure :

INHALATION :
Vapour or aerosol may cause irritation to the breathing passage and mucous membranes.

SKIN CONTACT :
Repeated and prolonged skin contact as from clothing wet with material may cause slight irritation.

EYE CONTACT :
May cause slight eye discomfort.

INGESTION :
Ingestion is unlikely to cause adverse health effects.

12. Ecological information.

Mobility : Prevent further contamination of soil, surface water or groundwater.

- Ground : May be capable of penetrating the soil to cause ground water contamination.

Not soluble in water. Liquid will float on water.

SAFETY DATA SHEETS**Product:****5100 4T 10W40**

Page:5/6

Product code: 3081

Version: 2

Date: 30/06/1999

Supersedes SDS dated: 05/03/1999

13. Disposal considerations..**Disposal of product:**

Place contaminated materials/packaging in suitable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

Disposal of packaging:

To deliver to an agreed collector.

Local disposal regulations :

- To comply with regulations concerning lubricants and oils discharge in surface, subterranean water and sea.
- To comply with regulations concerning collection of used oils and control of waste elimination network. See official regulations.

14. Transport information.**Transport hazard label:**

Not classified under this legislation.

15. Regulatory information.**EEC labelling information:**

Not classified under this legislation.

Other:

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 :****4 STROKE ENGINE LUBRICANT**

(for other informations see the technical sheet)

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

SAFETY DATA SHEETS**Product:****5100 4T 10W40**

Page: 6/6

Product code: 3081

Version: 2

Date: 30/06/1999

Supersedes SDS dated: 05/03/1999

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

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