

SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)



SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : GEAR 300 LS 75W90

Product code : 34210

1.2. Relevant identified uses of the substance or mixture and uses advised against

Transmission oil

1.3. Details of the supplier of the safety data sheet

Registered company name : MOTUL

Address : 119, Boulevard Felix Faure. 93300 AUBERVILLIERS CEDEX FRANCE

Telephone : 33.1.48.11.70.00. Fax: 33.1.48.33.28.79. Telex: .

Email : motul_hse@motul.fr

1.4. Emergency telephone number : +44 (0) 1235 239 670.

Association/Organisation : ORFILA.

Other emergency numbers

UNITED STATES: 001 866 928 0789 / CANADA: 001 800 579 7421 / MEXICO : +52 55 5004 8763 / MIDDLE EAST - AFRICA : +44 1235 239671

BRAZIL : +55 11 3197 5891 / COLOMBIA : +57 1 508 7337 / ARGENTINA : +54 11 5984 3690 / CHILE : +562 2582 9336

Ireland : +353 1 8092566

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

May produce an allergic reaction (EUH208).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Additional labeling :

EUH208 Contains OLEFIN SULFIDE. May produce an allergic reaction.

EUH208 Contains AMINE ALKYLE. May produce an allergic reaction.

EUH208 Contains MAGNESIUM METABORATE. May produce an allergic reaction.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European CHemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

| Identification | (EC) 1272/2008 | Note | % |
|---|--|------|----------------------|
| CAS: 72623-87-1 EC: 276-738-4 REACH: 01-2119474889-13 LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED | | L | $25 \leq x \% < 50$ |
| CAS: 68937-96-2 EC: 273-103-3 REACH: 01-2119540515-43 OLEFIN SULFIDE | GHS07 Wng Skin Sens. 1B, H317 Aquatic Chronic 3, H412 | | $2.5 \leq x \% < 10$ |
| EC: 931-384-6 | GHS07, GHS05, GHS09 | | $1 \leq x \% < 2.5$ |

| | | | |
|--|---|--|----------------|
| REACH: 01-2119493620-38 AMINE ALKYLE | Dgr Acute Tox. 4, H302 Skin Sens. 1B, H317 Eye Dam. 1, H318 Aquatic Chronic 2, H411 | | |
| CAS: MIXTURE EC: MIXTURE MINERAL OIL | GHS08 Dgr Asp. Tox. 1, H304 | | 1 <= x % < 2.5 |
| EC: 939-591-3 REACH: 01-2119978530-33 REACTION PRODUCTS OF ALCOHOLS, C14-18, C18 UNSAT., ESTERIFIED WITH PHOSPHORUS PENTOXIDE AND SALTED WITH AMINES, C12-14,-TERT-ALKYL | Aquatic Chronic 3, H412 | | 1 <= x % < 2.5 |
| CAS: 13703-82-7 EC: 237-235-5 MAGNESIUM METABORATE | GHS07 Wng Skin Sens. 1B, H317 | | 0 <= x % < 1 |

(Full text of H-phrases: see section 16)

Information on ingredients :

Note L: The carcinogen classification does not apply because the substance contains less than 3 % w/w of dimethyl sulphoxide (DMSO) measured using the IP 346 method.

Other data :

*This substance has a specific concentration limit (SCL)

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures**In the event of exposure by inhalation :**

In the event of an allergic reaction, seek medical attention.

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 :

In the event of an allergic reaction, seek medical attention.

Immediately remove all soiled clothing.

Wash immediately and abundantly with soap and water.

In the event of swallowing :

Seek medical attention, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media**Suitable methods of extinction**

Dry agent, foam, carbon dioxide.

Unsuitable methods of extinction

High volume water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

Spilled product may make surfaces slippery.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. 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.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Avoid contact with 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 protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Ensure good ventilation at the workplace

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

Do not breathe fumes, vapour, spray.

7.2. Conditions for safe storage, including any incompatibilities

Store between 5°C and 40°C in a dry, well ventilated place.

Only use hydrocarbon-resistant containers, joints and pipes.

Storage

Keep out of reach of children.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available.

8.2. Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.

Personnel shall wear regularly laundered overalls.

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

Recommended properties :

- Impervious gloves in accordance with standard EN374

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Breathing apparatus only when aerosol or spray are formed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties****General information :**

| | |
|------------------|---------------|
| Physical state : | Fluid liquid. |
| Color: | green |

Important health, safety and environmental information

| | |
|--------------------------|---------------------------------|
| pH : | Not relevant. |
| Flash Point Interval : | FP > 100°C. |
| Vapour pressure (50°C) : | Not relevant. |
| Density : | < 1 |
| Water solubility : | Insoluble. |
| Viscosity : | 108.7 mm ² /s à 40°C |

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Keep away from heat and from sources of ignition

Take precautionary measures against static discharges.

10.5. Incompatible materials

Strong oxidants

Acids

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No data available.

11.1.1. Substances

Germ cell mutagenicity :

AMINE ALKYLE

No mutagenic effect.

Reproductive toxicant :

AMINE ALKYLE

No toxic effect for reproduction

11.1.2. Mixture

Skin corrosion/skin irritation :

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.

Serious damage to eyes/eye irritation :

No observed effect.

Corneal haze : Average score = 0.28

Iritis : Average score = 0.11

Conjunctival redness : Average score = 1.22

Conjunctival oedema : Average score = 1.83

Respiratory or skin sensitisation :

Contains at least one sensitising substance. May cause an allergic reaction.

Aspiration hazard :

"Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons."

May cause lung damage if swallowed



Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 91-20-3 : IARC Group 2B : The agent is possibly carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

OLEFIN SULFIDE (CAS: 68937-96-2)

Crustacean toxicity :

EC50 63 mg/l

Duration of exposure : 48 h

Algae toxicity :

ECr50 > 100 mg/l

Duration of exposure : 72 h

REACTION PRODUCTS OF ALCOHOLS, C14-18, C18 UNSAT., ESTERIFIED WITH PHOSPHORUS PENTOXIDE AND SALTED WITH AMINES, C12-14,-TERT-ALKYL

Fish toxicity :

LC50 > 1000 mg/l

Crustacean toxicity :

EC50 = 91 mg/l

Duration of exposure : 48 h

| | |
|---|---|
| Aquatic plant toxicity : | ECr50 > 10 mg/l Species : Others Duration of exposure : 3 h |
| MINERAL OIL (CAS: MIXTURE) Fish toxicity : | LC50 > 100 mg/l Species : Pimephales promelas Duration of exposure : 96 h |
| Crustacean toxicity : | EC50 > 10000 mg/l Duration of exposure : 48 h NOEC > 10 mg/l Duration of exposure : 21 jours |
| Algae toxicity : | ECr50 > 100 mg/l Species : Scenedesmus quadricauda Duration of exposure : 72 h |
| AMINE ALKYLE Fish toxicity : | LC50 = 24 mg/l Species : Trutta iridea Duration of exposure : 96 h NOEC = 3.2 mg/l Species : Trutta iridea Duration of exposure : 96 h |
| Crustacean toxicity : | EC50 = 91.4 mg/l Species : Others Duration of exposure : 48 h NOEC = 0.12 mg/l Duration of exposure : 21 jours |
| Algae toxicity : | ECr50 = 6.4 mg/l Species : Selenastrum capricornutum Duration of exposure : 96 h NOEC = 1.7 mg/l Species : Selenastrum capricornutum Duration of exposure : 96 h |
| Aquatic plant toxicity : | 1 < ECr50 <= 10 mg/l Species : Others |

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

REACTION PRODUCTS OF ALCOHOLS, C14-18, C18 UNSAT., ESTERIFIED WITH PHOSPHORUS PENTOXIDE AND SALTED WITH AMINES, C12-14,-TERT-ALKYL

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

MINERAL OIL (CAS: MIXTURE)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

AMINE ALKYLE

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

OLEFIN SULFIDE (CAS: 68937-96-2)

Biodegradability :

no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential

12.3.1. Substances

REACTION PRODUCTS OF ALCOHOLS, C14-18, C18 UNSAT., ESTERIFIED WITH PHOSPHORUS PENTOXIDE AND SALTED WITH AMINES, C12-14,-TERT-ALKYL

Octanol/water partition coefficient : log K_{ow} = 8

OLEFIN SULFIDE (CAS: 68937-96-2)

Octanol/water partition coefficient : log K_{ow} = 6

12.4. Mobility in soil

Not very mobile in soil.

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

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

Do not dispose of the product in the natural environment, effluents or surface waters.



German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :

WGK 3 : Extremely hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

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.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture



- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2018/1480 (ATP 13)

- Container information:

No data available.

- Particular provisions :

No data available.

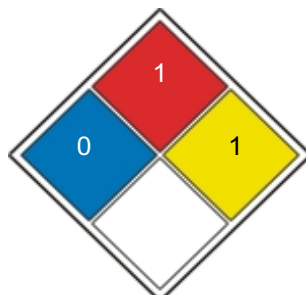


- German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :

WGK 3 : Extremely hazardous for water.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :

NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none



15.2. Chemical safety assessment

No data available.

SECTION 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 mixture must not be used for other uses than those specified in section 1 without having first obtained 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 in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

| | |
|------|--|
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.