



TF GREASE LF 2

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 05-10-16 Revision date: 05-10-16 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixtures
Product name : TF GREASE LF 2
Product code : 1710 # ESCLP206R0
Type of product : Lubricants and additives

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

1.2.1. Relevant identified uses

Main use category : Professional use
Function or use category : Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

SADAPS BARD AHL CORPORATION
BP 50050 MOUVAUX
59589 BONDUES Cedex - France
T 03.10 38 38 38 - F 03.51 08 90 51
industrie@bardahlfrance.com - www.bardahlindustrie.com

1.4. Emergency telephone number

Emergency number : +33 (0)1.45.42.59.59

| Country | Organisation/Company | Address | Emergency number | Comment |
|----------------|---|------------------------------------|---|---------|
| Greece | Poisons Information Centre Children's Hospital "Aglaia, Kyriakou" | 11527 Athens | +30 10 779 3777 | |
| Malta | Medicines & Poisons Info Office | Mater Dei Hospital MSD Msida | +356 2545 6504 | |
| United Kingdom | National Poisons Information Service (Belfast Centre) Royal Victoria Hospital | Grosvenor Road BT12 6BA Belfast | 0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours) | |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH210 - Safety data sheet available on request

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|---------|---|
| TITANIUM DIOXIDE substance with national workplace exposure limit(s) (FR) | (CAS No) 13463-67-7 (EC no) 236-675-5 (REACH-no) 01-2119489379-17 | 1 - 2,5 | Not classified |
| Glycerol substance with national workplace exposure limit(s) (FR) | (CAS No) 56-81-5 (EC no) 200-289-5 (REACH-no) 01-2119471987-18 | < 2,5 | Not classified |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand.
- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after skin contact : Remove contaminated clothes. Wash skin with plenty of water. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

- Symptoms/injuries after inhalation : May cause headache, nausea and irritation of respiratory tract.
- Symptoms/injuries after skin contact : Prolonged or repeated contact with the skin may cause dermatitis.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Dry powder. Foam.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : Toxic and irritating gases are released.

5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Do not breathe fumes from fires or vapours from decomposition.
- Other information : Prevent liquid from entering sewers, watercourses, underground or low areas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Evacuate area. Eliminate every possible source of ignition. Ensure adequate ventilation, especially in confined areas. Keep public away from danger area. Equip cleanup crew with proper protection. May be dangerously slippery if spilled.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Dike for recovery or absorb with appropriate material. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Recover the product with absorbent material.
- Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.
- Other information : Spill area may be slippery.

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6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not eat, drink or smoke when using this product. May be dangerously slippery if spilled.
Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep away from food, drink and animal feeding stuffs.
Storage conditions : Store in a dry place. Store in a closed container. Store in a well-ventilated place. Keep out of frost. Keep away from heat.
Maximum storage period : 60 months
Heat and ignition sources : Keep away from naked flames/heat. Sparks. Do not smoke. Keep away from ignition sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Oil mist | | |
|-------------------------------|--------------------------|----------------------|
| France | VME (mg/m ³) | 5 mg/m ³ |
| France | VLE (mg/m ³) | 10 mg/m ³ |
| TITANIUM DIOXIDE (13463-67-7) | | |
| France | VME (mg/m ³) | 10 mg/m ³ |
| Glycerol (56-81-5) | | |
| France | VME (mg/m ³) | 10 mg/m ³ |

8.2. Exposure controls

Hand protection:

In case of repeated or prolonged contact wear gloves

| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
|---------------------------------------|----------------------|------------|----------------|-------------|----------|
| Disposable gloves, Reusable gloves | Nitrile rubber (NBR) | | | | EN 374 |

Eye protection:

Eye protection should only be necessary where liquid could be splashed or sprayed. EN 166

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Good ventilation of the workplace required. Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Grease. Paste.
Colour : No data available
Odour : No data available
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available

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| | |
|----------------------------------|----------------------------------|
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : > 60 °C |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Solubility | : No data available |
| Log Pow | : No data available |
| Viscosity, kinematic | : > 20,5 mm ² /s 40°C |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

Heat. Open flame. Sparks. Water, humidity. Freezing.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| TITANIUM DIOXIDE (13463-67-7) | |
|---|--------------------------|
| LD50 oral rat | > 5000 mg/kg OECD 425 |
| LD50 oral | > 5000 mg/kg bodyweight |
| LD50 dermal | > 10000 mg/kg bodyweight |
| LC50 inhalation rat (mg/l) | > 6,8 mg/l/4h |
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | > 6820 mg/l/4h |

| Glycerol (56-81-5) | |
|--------------------|---------------|
| LD50 oral rat | 12600 mg/kg |
| LD50 dermal rabbit | > 10000 mg/kg |

| | |
|-----------------------------------|------------------|
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |

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| | |
|-----------------------|--------------------------------|
| TF GREASE LF 2 | |
| Viscosity, kinematic | > 20,5 mm ² /s 40°C |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|--------------|
| TITANIUM DIOXIDE (13463-67-7) | |
| LC50 fish 1 | > 100 mg/l |
| EC50 Daphnia 1 | > 100 mg/l |
| EC50 other aquatic organisms 1 | > 10000 mg/l |
| EC50 72h algae (1) | > 10000 mg/l |
| Glycerol (56-81-5) | |
| LC50 fish 1 | 54000 mg/l |
| LC50 fish 2 | > 1000 mg/l |
| TLM fish 1 | > 1000 ppm |
| TLM other aquatic organisms 1 | > 10000 ppm |
| Threshold limit other aquatic organisms 1 | 2900 mg/l |
| Threshold limit other aquatic organisms 2 | > 10000 mg/l |
| Threshold limit algae 1 | > 10000 mg/l |

12.2. Persistence and degradability

| | |
|---------------------------------|-------------------------------------|
| Glycerol (56-81-5) | |
| Biochemical oxygen demand (BOD) | 0,87 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 1,16 g O ₂ /g substance |
| ThOD | 1,217 g O ₂ /g substance |
| BOD (% of ThOD) | 71 % ThOD |

12.3. Bioaccumulative potential

| | |
|---------------------------|-------------|
| Glycerol (56-81-5) | |
| Log Pow | -1,76 - 2,6 |

12.4. Mobility in soil

| | |
|---------------------------|---------------------|
| TF GREASE LF 2 | |
| Ecology - soil | insoluble in water. |
| Glycerol (56-81-5) | |
| Surface tension | 0,063 N/m (20°C) |

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|---------------------------------|---|
| Sewage disposal recommendations | : Do not discharge into drains or the environment. |
| Waste disposal recommendations | : Collect all waste in suitable and labelled containers and dispose according to local legislation. |
| Ecology - waste materials | : Do not discharge the product into the environment. |

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR | IMDG | IATA | RID |
|---|---------------|---------------|---------------|
| 14.1. UN number | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.2. UN proper shipping name | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |

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| ADR | IMDG | IATA | RID |
|--|---------------|---------------|---------------|
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available | | | |

14.6. Special precautions for user

- Overland transport

Not regulated

- Transport by sea

Not regulated

- Air transport

Not regulated

- Rail transport

Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

France

Occupational diseases : RG 36 - Affections provoquées par les huiles et graisses d'origine minérale ou de synthèse

Germany

VwVwS Annex reference : Water hazard class (WGK) nwg, Non-hazardous to water (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

| | |
|--------|--|
| EUH210 | Safety data sheet available on request |
|--------|--|

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SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product