

MATERIAL SAFETY DATASHEET

Date issued: 26/01/2011
Date revised: 13/06/2012
Version: 2

EU Directive 1907/2006/EC (REACH)

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND THE COMPANY

1.1 Identification of the substance or preparation:

Commercial name: SYNTHETIC FOODGRADE OIL AERO
TF23010

1.2 Use of the substance or preparation:

Foodgrade lubricant with PTFE in aerosol

1.3 Company identification:

BONDIS bvba
Cleydaellaan 16/1
2630 Aartselaar
België

Telephone: +32 (0)3 234 29 18
Email: info@bondis.com

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1.4 Emergency telephone:

Telephone: +32 70 245 245

2. HAZARDS IDENTIFICATION

Classification:

F+;R12
R65
R66

R-Phrases:

R12 Extremely flammable.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding +50°C. Do not pierce or burn even after use. Do not spray on a naked flame or any incandescent material. Do not smoke.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Description:

Mixture of synthetic oils, solvents and propellants.

| Components | EINECS n° | CAS n° | Weight % | Classification |
|-------------------|-----------|------------|----------|----------------|
| Propane | 200-827-9 | 74-98-6 | 8 | F+;R12 |
| Aliphatic solvent | 265-149-8 | 64742-47-8 | 68 | Xn;R65,R66 |

4. FIRST AID MEASURES

Inhalation:

In case of inhalation of fumes, terminate the exposure and go in the fresh air.

Ingestion:

If swallowed, do not induce vomiting, seek medical advice immediately and show this container or label.

Skin contact:

Remove contaminated clothing and wash thoroughly the skin with soap or detergent and water.

Eye contact:

Flush eyes thoroughly with running water during 15 minutes (including under eyelids), seek medical advice.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Sprayed water, foam, powder, carbon dioxide (CO₂)

Extinguishing media which must not be used for safety reasons:

Do not use waterjet.

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

Combustion can produce a variety of compounds including: oxides of carbon, oxides of nitrogen, partially oxidized organic compounds and other unidentified organic and inorganic compounds; some of these compounds may be toxic.

Special protective equipment for fire-fighters:

Wear an approved autonomous breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Ensure sufficient ventilation. Use personal protection equipment. Keep away from sources of ignition.

Environmental precautions:

Prevent this product from entering into contact with surface waters.

Methods for cleaning up:

To clean the floor and all objects contaminated by this material , use sand, active clay or Bondis Sorb. Clean contaminated surface thoroughly as fluid can make surfaces slippery.

7. HANDLING AND STORAGE

7.1 Handling

Keep away from heat, sparks or open flames. Avoid leaks and contact with eyes and skin. Ventilate well and avoid inhalation of fumes.

7.2 Storage

Store in tightly closed packaging away from source of heat or ignition. Provide sufficient ventilation and put control systems in place to avoid possible discharge

7.3 Specific use(s)

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**8.1 Exposure limit values**

Sufficient ventilation should be provided in order to maintain fumes concentration in the air below the occupational exposure limit.

| CAS n° | Component | TLV* |
|---------|-----------|----------|
| 74-98-6 | Propane | 2500 ppm |

* Threshold limit value

8.2 Exposure controls**8.2.1 Occupational exposure controls****8.2.1.1 Respiratory protection:**

Inhalation of vapours or fumes has to be avoided through accurate ventilation and safe working circumstances.

8.2.1.2 Hand protection:

Wear rubber gloves.

8.2.1.3 Eye protection:

Wear safety glasses if eye contact is possible..

8.2.1.4 Skin protection:

Overall, or similar full-body work clothes, gloves and shoes..

8.2.2 Environmental exposure controls

Suitable system design or appropriate controls should be in place to ensure that the product cannot discharge to drain unless it is suitably treated to conform with local regulatory discharge standards.

| 9. PHYSICAL AND CHEMICAL PROPERTIES | |
|---|------------------------------|
| 9.1 General information | |
| Appearance: | Transparant liquid |
| Odour: | Typical |
| 9.2 Important health, safety and environmental information | |
| pH: | Not available |
| Boiling point / boiling range: | - 40°C - +237 °C |
| Flash point: | Not available |
| Flammability (solid, gas): | Not available |
| Explosive properties: | LEL 0,7 Vol.%, UEL 9,5 Vol.% |
| Oxidizing properties: | Not available |
| Vapour pressure: | 853 kPa |
| Relative density (water=1): | 0.76 |
| Solubility in water: | Not available |
| Partition coefficient (n-octanol/water): | Not available |
| Viscosity: | Not available |
| Vapour density: | Heavier than air |
| Evaporation rate: | Faster than ether |
| 9.3 Other information | |
| Volatile organic compound (VOC): | 76,41% |

| 10. STABILITY AND REACTIVITY | |
|---|---|
| 10.1 Conditions to avoid: | Keep away from heat sources, open flames and other sources of ignition. |
| 10.2 Materials to avoid: | Avoid contact with oxidizing agents, alkalis and acids.. |
| 10.3 Hazardous decomposition products: | Incomplete burning can cause formation of dangerous gases like carbon oxide (CO), carbon dioxide (CO2) and other hydrocarbons which can be toxic. |

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Ingestion

Can cause discomfort by ingestion. Can generate stomachache or vomiting. Symptoms of digestion, including upset stomach.

Eyes

Irritating for the eyes, can cause chemical burns of the eye.

Skin

Long time or repeatedly contact with the skin can cause serious irritation. Degreases the skin. Can cause cracking of the skin or eczema.

Inhalation

Can give irritation of the respiratory system. Fumes can cause headache, fatigue, dizziness and nausea. Inhalation of high concentrations during a prolonged period can cause damage of the respiratory system.

CHRONIC TOXICITY

Contains no known carcinogenic, mutagenic or teratogenic products.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

| | |
|--|---------|
| Aquatic organisms, Algea IC50 (72h): | Unknown |
| Aquatic organisms, Daphnia Magna EC50 (48h): | Unknown |
| Aquatic organisms, Fish LC50 (96h): | Unknown |
| Plants and terrestrial animals: | Unknown |
| Soil organisms: | Unknown |
| Impact on sewage treatment plants: | Unknown |

12.2 Mobility:

| | |
|--|--|
| Known or predicted distribution to environmental compartments: | Low range of mobility in the soil. Some components can penetrate the soil and cause pollution of the ground water. |
| Surface tension: | Unknown |
| Absorption/ adsorption: | Unknown |

12.3 Persistence and degradability:

Unknown

12.4 Bioaccumulative potential:

Unknown

12.5 Other adverse effects:

| | |
|---|---------|
| Ozone depletion potential (ODP): | Unknown |
| Photochemical ozone creation potential: | Unknown |
| Global warming potential: | Unknown |

13. DISPOSAL CONSIDERATIONS

Do not pierce or burn empty cans. Wastes, including emptied containers, should be disposed off in accordance with national and local regulations. It is the end-user's responsibility to determine the regulatory status of waste at the time of disposal.

14. TRANSPORT INFORMATION

| | |
|-------------------------------|--------------------------------------|
| UN - nr: | 1950 |
| Proper shipping name: | UN 1950, AEROSOLS |
| IMDG | UN 1950 AEROSOLS |
| Class: | 2.1 |
| Other applicable information: | EMS F-D,S-U, Limited quantities (LQ) |
| Marine pollutant: | no |
| ADR/RID | UN 1950 AEROSOLS flammable |
| Class: | 2.1 (D), 5F |
| Other applicable information: | Limited quantities (LQ) |
| ICAO/IATA | UN 1950 AEROSOLS, flammable |
| Class: | 2.1 |
| Other applicable information: | |

15. WETTELIJK VERPLICHTE INFORMATIE

Danger symbols:



Extremely flammable

Risk phrases:

R12 Extremely flammable.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.

Safety phrases:

S2 Keep out of reach of children.
S16 Keep away from sources of ignition - No smoking
S23 Do not breathe spray/fumes
S51 Use only in well-ventilated areas

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding + 50°C. Do not pierce or burn even after use. Do not spray on a naked flame or any incandescent material. Do not smoke.

Other regulatory information:

Existing national and local regulations concerning chemicals shall be observed.
Aliphatic hydrocarbons >30%

16. OTHER INFORMATION

Training advice:

Contact your representative before using this product in case you are not familiar with its application.

Recommended restrictions on use (non-regulatory recommendations of the supplier):

Further information (written references and/or technical contact point):

FULL TEXT OF RISK PHRASES APPEARING IN SECTION 3

Source of key data used to compile the datasheet::

Information added, delete or revised:

These data are based upon our knowledge at this moment. It is however no guarantee for product properties and do not have a contractual agreement.

This safety information sheet has been compiled in accordance with annex II/A of the regulation (EU) No 453/2010. Classification has been calculated in accordance with the European directive 67/548/EWG, 1999/45/EC and regulation 1272/2008 with their respective amendments. It has been compiled with the utmost care. We cannot, however, accept responsibility for damage, of any kind, that may be caused by using these data or the product concerned. To use this preparation for an experiment or a new application, the user must carry out a material suitability and safety study himself.