

Pressure date: 26.04.2023

revised on:

1. Identification of the substance/preparation and of the company/undertaking**Information to the product****Trade name: Wood-Bio-Lubricant****Article number:****Customs-Tariff-No.:** 3403 99 00**Use of the material / of the preparation:** Lubricating/Cleaning/Cooling Oil**Company/undertaking identification:**

Butlers-Best GmbH

Karl-Schönherr-Straße 18, A-5020 Salzburg

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Information-giving area:

phone: look up (at office hours)

Emergency information:

phone: look up (at office hours)

2. Hazards identification**Special danger Tipps for person and environment:**

By heating to higher than 100 ° C in a closed container (barrels or tank-car) the vapors and oil mist can achieve a dangerous concentration for inhalation.

3. Composition/information on ingredients**Chemical characteristic:**

Composition based on vegetable oil derivatives

4. First-aid-measures**General tips: With product dirtied clothes immediately remove.****after eye-contact:**

Wash your eyes immediately by open palpebral fissure with plenty of water. If the eye-irritation remains, consult a doctor.

after skin-contact: Wash away immediately with water and soap and well rinse. If the irritation remains, consult a doctor.**after swallow up:** Wash the mouth with water, drink much water. Do not induce a throw up. Other therapy measures can only effect by a doctor.**after inhalation:** Remove the person from the contaminated area to a warm place with fresh air. If necessary consult a doctor.**5. Fire-fighting measures****General tips:** The product is burnable.

In case of burning dangerous gases and vapors can be formed.

Common extinguishing means: extinguish-powder, CO₂, foam.**Special protective equipment:** suitable breath protective masks.

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6. Accidental release measures

Precautions in connection with persons:

In case a great amount is flowing out: Wear suitable protective clothes.
In closed or less ventilated rooms: Wear a protective mask.

Measures in the place of producing:

Free flames immediately extinguish and turn out all electrical systems.
Try immediately to seal up the outflow.

Methods for cleaning/absorbtion:

Recommended methods and materials:

Collect in barrels so much as possible. Otherwise absorb with fluid binding material and take it to suitable disposal.

7. Handling and storage

General handling:

Before working with open fire, clean tubings and systems. The possibility of eye-washing and safety shower must be existed at the working places. If it's possible work in ventilated rooms and closed systems. Before entering in tanks and systems they must be cleaned and ventilated.

Storage:

Store at ventilated places and in distant of a heat source, incompatible substances and ignition source. Prevent the possibility of static charge and atmospheric discharge. Around overground tanks basins for collecting must be built.
Incompatible materials: Strong oxidation agents and self inflammatory substances.

8. Exposure controls and personal protection

Components with working place connected, supervised limiting values:

Not leaded in the austrian and german MAK-value list.
TLV/TWA 10 mg/m³
(Value for aerosols of edibles as an inhalated particle)
Skincontact: no statement.

Personal protection:

Respiratory protection: facemask with filter for organic vapors.
Handprotection: rubber gloves
Eye protection: safety goggles
Body protection: boots, rubber (PVC) apron.

9. Physical and chemical properties

General information:

Appearance:	liquid
color:	yellow
odor:	true to type
State change:	
Melting point/melting temperatures:	about -0°C (Pourpoint) about -18 °C (Pourpoint of winter quality)
Boiling range /Siedebereich:	no data

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Flash point:	about 200 °C
Density at 15°C:	about 940 g/l
Solubility in / miscibility with water:	insoluble
Solubility in / miscibility with solvents:	with most of the customary organic solvents
Viscosity	cinematic about 6,5 mm ² /s at 20 °C

10. Stability and reactivity
Avoid contact with:

Oxidation agents
strong alkali and alkali-metals

Dangerous reactions:

With strong oxidation agents and under growing of fire the product can exothermly react.
Wood-Bio-Lubricant cannot be used to protect alkali-metals from air, cause it reacts with alkali-metals.

11. Toxicological information

Ways of exposition: - Taking
 - inhalation
 - skin-contact

Handle the product in a form of usual chemical and fuels caution and circumspection.

Dangerous reactions:

There are not statements published about the mixture itself. Acute toxic effects are not expected, except unusual amounts of the product will be swallowed or come in contact with the skin. By long and repeated inhalation of aerosols an irritation of the first respiration tract is expected.

Local influence:

The product mainly exists in Fatacidmethylesters. Skinirritation can be expected by skin contact. (These statements based upon reports of similar substances).

Carcinogenic:

In literary there is no comment about cancerformation of any component of the product.

Other irreversible effects:

There are no literary comments about a sensibility, mutagenetic or teratogenic of any component.

Experimental data:

Acute toxication: no comments in literary

Longtime toxication: Methyloleat TDL₀ 54 g/kg (main absorption, repeated dosage over 45 weeks).

12. Ecological information

For the product itself there are no comments known. Most of the components (Fatacidmethylester) are insoluble in water and they show no persistence or toxication in watery environment.

Persistence/degradation:
Biological degradation:

The product is readily biodegradable according to CEC L-33-A-93 with the result >95 % after 21 days
Methyloleat: >70 % (28 days), modified OECD-test)

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Aquatic toxication:
Fatacidmethylester LC50 18 g/l (fish)

Bacteria toxication: EC 10 78 g/l

13. Disposal considerations

Burning:
The product burns and gives no ash. In every burning system for liquids the product can handled respective of local administrative directions.

14. Transport information

Overland transport (ADR/RID)
Hazard class: product not classified (no transport of danger).

Sea transport (I.M.O.-I.M.D.G.Code)
Hazard class: no transport of danger.

Air transport (IATA)
Hazard class: product not classified (no transport of danger).

15. Regulatory information

Information on the label:

Trade name: Wood-Bio-Lubricant

Classification:

Kind of classification: temporary

Phrases R : no

Phrases S : no

Class of dangerous of water: WGK 1 (low dangerous for water).

16. Other informations

In sense of preventive working and pollution control it will be referenced to the following phrases of R and S:

Phrases R: 36/38 Irritation of eyes and skin.
Phrases S: 24/25 Avoid the contact of eyes and skin.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.