
SAFETY DATA SHEET

PANOLIN BIOGREASE 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Chemical characterization	Grease based on synthetic esters with soaps and additives.
Supplier	PANOLIN AG Bläsimühle CH-8322 Madetswil Switzerland
Emergency telephone number	++41 (0) 1 / 956 65 65 (Mo. - Fr. 08.00 - 17.00)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	The product contains no substances which at their given concentration, are considered to be hazardous to health.
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3. HAZARDS IDENTIFICATION

None.

4. FIRST AID MEASURES

Inhalation	Move to fresh air in case of accidental inhalation of vapours.
Skin contact	Wash with water and soap as a precaution.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Ingestion	Do not induce vomiting. Drink water as a precaution. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Foam. Dry chemical. Carbon dioxide (CO ₂).
Extinguishing media which must not be used for safety reasons	High volume water jet.
Special protective equipment for firefighters	In case of fire, wear a self contained breathing apparatus.
Specific methods	Do not use a solid water stream as it may scatter and spread fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Sweep up to prevent slipping hazard.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for cleaning up	Take up mechanically and collect in suitable container for disposal.

7. HANDLING AND STORAGE

Handling	Spilling onto the container's outside will make container slippery.
Storage	Keep containers dry and tightly closed to avoid moisture absorption and contamination. Store at room temperature in the original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure	General industrial hygiene practice.
Personal protection equipment	
Respiratory protection	No personal respiratory protective equipment normally required.
Hand protection	Rubber or plastic gloves.
Eye protection	Safety glasses with side-shields.
Skin and body protection	Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Paste.
Colour	Beige. Brown.
Odour	Characteristic.
Physical and chemical properties	
Flash point	> 130 °C.
NLGI	2
Drop point TAB)	none.
Water solubility:	insoluble.

10. STABILITY AND REACTIVITY

Stability	No decomposition if stored and applied as directed.
Conditions to avoid	Fire or intense heat may cause violent rupture of packages.
Materials to avoid	Strong oxidizing agents.
Hazardous decomposition products	None under normal use. When the substance is heated the formation of Acrolein is possible.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	ALD/oral/rat = > 2'000 mg/kg. Estimated from the datas of the components or similar substances.
Local effects	Negligible.
Long term toxicity	Negligible.
Sensitization	Negligible.
Further information	The product contains no substances which at their given concentration, are considered to be hazardous to health. Health injuries are not known or expected under normal use. No persistent or cumulative effects were observed.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Ecological injuries are not known or expected under normal use.
Persistence / degradability	Biological degradability (CEC L-33-A-94): > 90 %.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products	Can be incinerated, when in compliance with local regulations. Where possible recycling is preferred to disposal or incineration. In accordance with local and national regulations. waste-code (VVS): (CH): 1740
Contaminated packaging	Empty containers should be taken for local recycling, recovery or waste disposal. Empty containers can be returned to the supplier. Partly empties containers won't be accepted by the supplier. It doesn't exist a duty for return.

14. TRANSPORT INFORMATION

Further Information	Not classified as dangerous in the meaning of transport regulations.
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15. REGULATORY INFORMATION

Regulatory Information	The product does not need to be labelled in accordance with (national equivalent of EC-Directive 88/379). This product is not a hazardous article and need not to be labelled according to EC-Directive 67/548, as amended.
Symbol(s)	None.
R-phrase(s)	None.
S-phrase(s)	S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37: Wear suitable gloves.

16. OTHER INFORMATION

Recommended use	According to datasheet.
Further information	Modifications in the following chapters since the last version: 21.06.2001 13: waste code german
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. And is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
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