
SAFETY DATA SHEET

PANOLIN BIOFLUID ZFH

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

Chemical characterization	Saturated, synthetic esters with additives
Revision Date	17.09.2002
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

General advice	Wash contaminated clothing before re-use.
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.
Specific hazards	During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.
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. Advise water authority if spillage has entered water course or drainage system.
Methods for cleaning up	Dam up. Soak up with oil absorbent material. Shovel into suitable container for disposal.

7. HANDLING AND STORAGE

Handling	Spilling onto the container's outside will make container slippery. The product is flammable but not readily ignited.
Storage	Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep out of reach of children. CEA F4 I Fu Y3

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	Liquid.
Colour	Yellow-orange.
Odour	Mild.
Physical and chemical properties	
Flash point (COC)	> 210 °C.
Relative density (15 °)	0.92 g/ml.
Viscosity:	according to datasheet.
Pour point:	< -35 °C.
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. Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD50/oral/rat = > 2'000 mg/kg.
Local effects	Negligible. Experience shows no unusual dermatitis hazard from routine handling.
Long term toxicity	Negligible.
Sensitization	Negligible.
Specific effects	No data is available on the product itself.
Human experience	No data is available on the product itself.
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	According to the results of tests of biodegradability this product is considered as being readily biodegradable. Readily biodegradable, according to appropriate OECD test.

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): 1470
European Waste catalogue code (EWC-code): 13 02 07
biodegradable machine-, gear- and lubricating oils

Contaminated packaging

Store containers and offer for recycling of material according to local regulations.

14. TRANSPORT INFORMATION

Further Information

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Regulatory Information

The product does not need to be labelled in accordance with (national equivalent of EC-Directive 1999/45).
BAG T No: 611'500.
slightly water contaminating.

Symbol(s)

None.

R-phrase(s)

None.

S-phrase(s)

None.

16. OTHER INFORMATION

Recommended use

According to datasheet.

Further information

Modifications in the following chapters since the last version:

date	chapter
21.07.2000	15: BAGT-Number
17.09.2002	13: EWC
17.09.2002	15: 1999/45/EG

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. 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.

Revision Date

17.09.2002

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