



## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

V1.4 | 10.09.2024

### SECTION 1: ARTICLE, PREPARATION, COMPANY

#### INFORMATION ON THE PRODUCT

Trade name:	SAMNOS STANDARD
Use of the substance/mixture:	Lubricant
Uses that are not recommended:	Currently no uses advised against have been identified.
Company:	HPM Technologie GmbH Paul-Lechler-Straße 21 DE- 72581 Dettingen
Phone:	+49 (0) 7123 88039-10
Emergency number:	+49 (0) 7123 88039-10 (This number is only staffed during office hours: 08:00 - 16:30)
E-Mail:	info@hpmtechnologie.de
Internet:	www.hpmtechnologie.de
Providing information:	QM/UM

### SECTION 2: POTENTIAL HAZARDS

Hazard designation:	not applicable
Information concerning particular hazards for human and environment:	The product is not subject to classification according to the calculation method of the "General EC Classification Guidelines for Preparations" in the latest valid version.
Classification system:	The product is not subject to classification according to the calculation method of the "General EC Classification Guidelines for Preparations" in the latest valid version.
II Other dangers:	This substance/mixture contains no components in concentrations of 0.1% or more, higher, which are classified as either persistent, bioaccumulative and toxic (PBT) or very persistent (SVHC). and very bioaccumulative (vPvB). Environmental information: The substance/mixture does not contain components with endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more. Toxicological information: The substance/mixture does not contain components with endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:	Formulation from aqueous solution of 2,2'-(ethylenedioxy)diethanol (CAS No. 112-27-6). Free of sulphur, chlorine, zinc, heavy metal etc. Contains max. 0.175% benzotriazole (CAS No. 95-14-7).
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### SECTION 4: FIRST AID MEASURES

General remarks:	No special measures required.
After inhalation:	Supply fresh air, consult a doctor in case of complaints.
After contact with the skin:	Wash with plenty of soap and water. If skin irritation persists, consult a doctor.
After contact with the eyes:	Rinse opened eye for several minutes under running water. Consult a doctor if symptoms persist.
After ingestion by swallowing:	Rinse out mouth and drink plenty of water. If symptoms persist, consult a doctor.

### SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing agents:	Product itself does not burn.
Unsuitable extinguishing agents for safety reasons:	not applicable
Special hazards due to the substances, their combustion products or resulting gases:	Carbon oxides (COx)
Further information:	Fire residues and contaminated water must be disposed of in a safe manner.

### SECTION 6: MEASURES IN THE EVENT OF ACCIDENTAL RELEASE

Personal:	Avoid contact with eyes and skin. Avoid inhalation of mists and vapors.
Precautionary measures:	Draw attention to the risk of slipping if the material is released.
Environmental protection measures:	Do not allow to enter waterways, waste water or soil.
Procedure for cleaning / absorption:	Absorb with liquid-binding material, e.g. diatomaceous earth, and dispose of properly.
Additional information:	For information on personal protective equipment, see chapter 8.

### SECTION 7: HANDLING AND STORAGE

#### HANDLING

Instructions for safe handling:	The usual precautionary measures for handling chemicals must be observed. Spilled substance causes danger of slipping.
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Environmental protection measures:	The usual precautionary measures for handling chemicals must be observed. Spilled substance causes danger of slipping.
Notes on fire and explosion protection:	No special measures required.
Storage:	Protect from frost.
Requirements for storage rooms and containers:	Observe water regulations. Protect from frost.
Further information on storage conditions:	Store in a cool, dry place in a tightly closed container. Use opened containers within 24 months.
Storage class (LGK):	Classification according to the Ordinance on Industrial Safety and Health (BetrSichV)

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT

Additional information on the design of technical systems:	No further details, see point 7.
Additional information:	The lists valid at the time of creation served as the basis.

### PERSONAL PROTECTIVE EQUIPMENT

General protective and hygiene measures:	The usual precautionary measures for handling chemicals must be observed.
Respiratory protection:	No special measures required if the OEL(s) and/or other occupational exposure limit values are permanently and safely complied with.
Hand protection:	If contact with the fluid directly with the hands is unavoidable, there is no risk to health.
Eye protection:	Safety goggles are recommended when decanting.
Body protection:	Protective work clothing

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Shape:	liquid
Color:	colorless
Odor:	weak
Evaporation rate:	negligible
Solubility in water:	unlimited miscibility at 20°C
Solubility:	in strongly polar solvents
Boiling range:	approx. 100°C
Flash point:	non-flammable
Vapor pressure:	23 hPA at 20°C
Density:	approx. 1g/cm <sup>3</sup> at 20°C
pH value:	approx. 7
II Viscosity:	(kinematic) 1.05 mm <sup>2</sup> /s (20°C)   0.68 mm <sup>2</sup> /s (40°C)

## SECTION 10: STABILITY AND REACTIVITY

Conditions to avoid:	No hazardous reactions known if stored and handled properly.
Substances to avoid:	Strong oxidizing agents. Reducing agents.
Dangerous reactions:	No dangerous reactions known.
Hazardous decomposition products:	Carbon monoxide and carbon dioxide. Nitrogen oxides /NO <sub>x</sub> .

## SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity:	
Primary irritant effect:	
On the skin:	No irritant effect
On the eye:	Mildly irritating.
On the respiratory tract:	Inhalation of vapors at high temperatures may cause respiratory irritation.
Sensitization:	No sensitizing effect known.
Additional toxicological information:	The product is not subject to classification according to the calculation method of the General Classification Guidelines for Preparations of the EC in the latest valid version. According to our experience and the information available to us, the product does not cause any adverse health effects when handled properly and used as intended. Endocrine disrupting properties. Assessment: The substance/mixture does not contain components with endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.
II Other dangers:	

## SECTION 12: ENVIRONMENTAL INFORMATION

Mobility:	Easily absorbed into the soil.
Persistence and degradability:	Completely biodegradable.
Bioaccumulative potential:	No bioaccumulation potential.
Other adverse effects:	Low ecotoxicity.
WGK (DE):	Water hazard class: 1; slightly hazardous to water; WGK (DE)

## SECTION 13: NOTES ON DISPOSAL

### WASTE TREATMENT PROCESS

Recommendation:	Dispose of in accordance with local, official regulations.
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Waste code number:

The waste code number must be assigned by the waste producer on an industry and process-specific basis in accordance with the Waste Catalogue Ordinance.

European Waste Catalog:

The assignment of waste code numbers in accordance with the SAB must be carried out on a sector and process-specific basis.

## UNCLEANED PACKAGING

Recommendation:

Disposal in accordance with official regulations.

Recommended cleaning agent:

Water

WGK (DE):

Water hazard class: 1; slightly hazardous to water; WGK (DE)

## SECTION 14: TRANSPORT REGULATIONS

### ADR / RID

UN No:

Not applicable

Hazard label:

Not applicable

### IMDG / IMO

UN No:

Not applicable

Hazard label:

Not applicable

### IATA / ICAO

UN No:

Not applicable

Hazard label:

not applicable

Transport/further information: No dangerous goods according to the above regulations.

## SECTION 15: Information on legal provisions

Labeling according to EC directives:

The usual precautionary measures for handling chemicals must be observed. The product is not subject to labeling according to EC directives / Ordinance on Hazardous Substances.

National regulations:

Classification according to the Ordinance on Industrial Safety and Health (BetrSichV):

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## SECTION 16: OTHER INFORMATION

The information in this safety data sheet is based on our knowledge at the time of revision and serves to describe our products with regard to the safety precautions to be taken. It does not constitute a guarantee of the properties of the product described or product information or product specifications and does not establish a contractual legal relationship. The information in the safety data sheet is not transferable to other products. If the product mentioned in this safety data sheet is mixed, blended or processed with other materials or undergoes processing, the information in this safety data sheet cannot be transferred to the new material, unless expressly stated otherwise. This safety data sheet only contains safety-relevant information and does not replace any product information or product specification.

II section has been revised

This data sheet has been machine translated from German. Country-specific requirements may vary.

