Safety Data Sheet according to Regulation (EC) No. 1907/2006

Product identifier: base*V fog fluid
Revision date: 08.05.2023
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Version: 2.0

SECTION 1: Identification of the mixture and of the company/undertaking

1.1 Product identifier

base*V fog fluid

Unique Formula Identifier (UFI-Code):
Not applicable

1.2 Relevant identified uses of the mixture and uses advised against

Use of the mixture: To produce smoke and dust.
Used which is not recommended: No data available.

1.3 Details of the supplier of the safety data sheet

Company name:
hazebase

Street:
Stargarder Straße 2

Place:
D-30900 Wedemark

Telephone for technical information:
+49 (0) 5130 / 371005

Telephone / Telefax / E-Mail
+49 (0) 5130 / 371005 / +49 (0) 5130 / 371006 / e-mail: al-sdb@hazebase.com

1.4 Emergency telephone number

+49 (0) 30/19240 Poison control centre of the Charité Universitätsmedizin Berlin

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
The product is not classified as dangerous according to Regulation (EC) No 1272/2008

2.2 Label elements

The product is not labeled as dangerous according to Regulation (EC) No. 1272/2008.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

No health impairments are known or to be expected in the case of proper handling.

SECTION 3: Composition/information on ingredients

3.1 Substances

The product is a mixture.

3.2 Mixtures

Ingredients:

CAS-No. Index-No. EG-No. EINECS, ELINCS, NLP REACH No.	Substance name	Concentration %	Classification (EC) No. 1272/2008 (CLP/GHS) SCL specific concentration limit M-factor and ATE (Acute Toxicity Estimates)
56-81-5 -- 200-289-5 -- --	Glycerol	60-80	not classified

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:	Remove contaminated clothing.
In case of skin contact:	After contact with skin, wash immediately with: Water and soap
In case of eye contact:	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
If swallowed:	Clean mouth with water and drink afterwards plenty of water. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
If inhaled:	Remove to fresh air. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed
Symptoms: No data available
Effects: Health injuries are not known or expected under normal use.

4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture
Specific hazards during firefighting: May decompose in fire forming toxic gases.
Hazardous decomposition products: Carbon dioxide (CO2), carbon monoxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:	In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment.
Further advice:	Cool closed containers exposed to fire with water spray. Heating will cause a pressure rise – with risk of bursting. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions:	Wear personal protective equipment. Keep unprotected persons away. Provide adequate ventilation.
Further advice:	Special risk of slipping due to leaked/ spilled product.

Personnel not trained for emergencies: Ensure adequate ventilation. Use personal protective equipment.

Emergency services: Use personal protective equipment. See Section 8

6.2 Environmental precautions

Environmental precautions:	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If material reaches soil inform authorities responsible for such cases.

6.3 Methods and material for containment and cleaning up
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Keep in suitable, closed containers for disposal.
Further information: Treat recovered material as described in the section "Disposal considerations".

6.4 Reference to other sections
See Section 1 for emergency contact information.
See Section 8 for information on personal protective equipment.
See Section 13 for waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
If using chemicals, the usual precautions have to be observed.
After work wash hands.

7.2 Conditions for safe storage, including any incompatibilities
Keep container closed.
Suitable container materials: PE, PP, PET, stainless steel, glass.
Keep away from children. Do not store into direct sunlight.
German storage class: 10 Combustible liquids

7.3 Specific end use(s)
Fog fluid

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Component:	**Glycerol**	**CAS-No. 56-81-5**
Specification:	Germany. TRGS 900, Occupational Exposure Limits (AGW), Exposure limit (s):, Inhalable fraction.	
Value:	200 mg/m3 (2) If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	

8.2 Exposure controls

Appropriate engineering controls
Refer to protective measures listed in sections 7 and 8.

Personal protective equipment
Allgemeine Schutz- und Hygienemaßnahmen: Von Getränken, Nahrungs- und Futtermitteln fernhalten. Beschmutzte, getränkte Kleidung sofort ausziehen. Vor den Pausen und bei Arbeitsende Hände waschen. Berührung mit den Augen und der Haut vermeiden.

Respiratory protection: Not required in the application.
Required if vapours or aerosol are released. In case of brief exposure or low pollution use breathing filter apparatus. Respiratory protection complying with EN 141. Recommended Filter type: Combination filter: A-P2 In case of intensive or longer exposure use self-contained breathing apparatus.

Hand protection: Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Protective gloves should be replaced at first signs of wear.

Material: Natural Rubber
Break through time: >= 8 h
Glove thickness: 0,5 mm

Material: Polychloropren
Break through time: >= 8 h
Glove thickness: 0,5 mm

Material: Nitrile rubber
Break through time: >= 8 h
Glove thickness: 0,35 mm

Eye protection: Goggles giving complete protection to the eyes

Skin and body protection: Protective work clothing

Environmental exposure controls
General advice: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

9.1.1 Appearance

- Physical state: Liquid
- Colour: Colourless
- Odour: Odourless
- Odour threshold: no data available

9.1.2 Safety relevant basic data

- pH-value (20°C/68°F): 6,0 (500 g/l)
- Melting point: -15°C / 5°F
- Boiling point (1013 hPa): no data available
- Flash point: non-safety-relevant
- Ignition temperature (solid, gaseous): no data available
- Ignition temperature: no data available
- Decomposition temperature: no data available
- Auto-ignition temperature: no data available
- Danger of explosion: no data available
- Lower explosion limit: no data available
- Upper explosion limit: no data available
- Steam pressure (20°C/68°F): no data available
- Relative vapour density: no data available
- Density (20°C/68°F): Ca. 1,178g/cm³ (ISO 387)
- Relative density (20°C/68°F): no data available
- Water solubility (20°C/68°F): Complete miscible
- Distribution coefficient (log Pow): no data available
- Viscosity / dynamic (20°C/68°F): no data available
- Viscosity, kinematically: no data available
- Particle characteristics: No data available

9.2 Other information

Other data have not been determined.

SECTION 10: Stability and reactivity

10.1 Reactivity
No decomposition if stored and applied as directed.

10.2 Chemical stability
Stable under normal temperature and pressure conditions.

10.3 Possibility of hazardous reactions
Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid
No decomposition if used as intend.
Keep away of direct sunlight.
Keep container tightly closed.
> 40 °C (104°F)

10.5 Incompatible materials
Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products
In case of fire hazardous decomposition products may be produced such as: Carbon oxides

SECTION 11: Toxicological information

11.1 Information on the hazard classes within the meaning of Regulation (EC) No. 1272/2008

Component: Glycerol **CAS-No. 56-81-5**
Acute toxicity
Oral: LD50: 12600mg/kg (rat)
Skin: LD50: >18700mg/kg (rabbit)

Rating/ classification of the substance/ mixture:
The mixture is not acutely toxic.

Skin corrosion/irritation
No skin irritation.
Based on available data, the classification criteria are not met.

Serious eye damage/ irritation
No eye irritation.
Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation
Non-sensitizing
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.
The mixture does not contain substances classified as carcinogens.

Reproductive toxicity
Based on available data, the classification criteria are not met.
The mixture does not contain substances classified as toxic for reproduction.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Information on likely routes of exposure
Oral, inhalation, skin contact, eye contact

11.2 Information on other hazards
Endocrine disrupting properties: No ingredients of the mixture are listed.

SECTION 12: Ecological information

12.1 Toxicity

Ingredients:	Glycerol	CAS-No.: 56-81-5
LC50	> 10.000 mg/l (Leuciscus idus (golden orfe)	
LC50	> 10.000 mg/l (Daphnia magna)	
EC50	> 10000 mg/l (Pseudomonas putida; 16 h)	

12.2 Persistence and degradability
Persistence: No data available
Bio degradability: Easily biodegradable.

12.3 Bioaccumulative potential
Bioaccumulation is not expected.

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Mixture is not considered to be persistent, bioaccumulating nor toxic (PBT).
Mixture is not considered to be very persistent and very bioaccumulative nor (vPvB).

12.6 Endocrine disrupting properties
The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects
No further relevant information available.
Do not empty into drains or the aquatic environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Product
Special disposal required according to local regulations. Do not let product enter drains.
Small amounts diluted with water, dispose with wastewater. Larger amounts back to the manufacturer.
Recommendation: Contact waste disposal services.
Packaging
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. If recycling is not practicable, dispose of in compliance with local regulations.
Rinse empty packaging with plenty of water, then recycle, landfill or incinerate in an orderly manner.
Advice cleaner: Water, in case with cleaner.

SECTION 14: Transport information

14.1 UN-No
Not applicable

14.2 Proper shipping name:
Not applicable

14.3 Class(es)
No dangerous goods under the provisions of ADR road transport / RID railway transport / AND / IMDG sea transport / IATA air transport.

14.4 Packing group
Not applicable

14.5 Environmental hazards
Not applicable

14.6 Special precautions for user
See section 6-8

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
This product is not intended for transport in bulk.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the mixture

EU-Regulations
Directive 2010/75/EU (VOC): 0%
EU. Directive 2012/18/EU
(SEVESO III) on major
accident hazards involving
dangerous substances,
Annex I: The mixture does not fall under this legislation.

National regulatory information (D):
Water contaminating class (D): 1 - slightly water contaminating.
German storage class TRGS 510: 10 Combustible liquids

15.2 Chemical Safety Assessment

Chemical safety assessments for this mixture were not carried out.

SECTION 16: Other information

Applicable EC-Directives
REACH-Regulation (EC) No. 1907/2006
CLP-Regulation (EC) No. 1272/2008

Other information

Key literature references and sources for data**:**
Internet:
http://www.baua.de
http://publikationen.dguv.de
http://dguv.de/ifa/stoffdatenbank
http://www.gischem.de
http://echa.europa.eu/en/candidate-list-table

Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.

Methods used for product classification:
The classification for human health, physical and chemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.

Updated sections: 7, 9, 11, 12, 15, 16

Abbreviations and acronyms:
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organization
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)
TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

The data correspond to our present state of knowledge and experience. Warranty or guarantee of the properties is not associated with.