

Product identifier: base*M smokefluid
Revision date: 28.11.2018
Print date: 24.01.19
Version: 4.0.0

1. Identification of the mixture and of the company/undertaking

1.1 Product identifier

base*M smokefluid

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

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

2. Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with ordinance (EC) no. 1272/2008
This mixture is not classified as dangerous according to Directive (EG) Nr. 1272/2008.

2.2 Label elements

Not necessary

2.3 Other hazards

Results of the PBT- and vPvB-assessment
PBT: inapplicable
vPvB: inapplicable

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

3. Composition/information on ingredients

3.1 Ingredients:

This product is a mixture.

3.2 Chemical characterization

Mixture related information: Purified water, Propantriol and Glycol.

4. First aid measures

4.1 Description of first aid measures

Remove contaminated clothing.

After contact with skin: After contact with skin, wash immediately with: Water and soap.

After contact with eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, transport to the nearest medical facility for additional treatment.

After ingestion: Rinse mouth with water and drink large plenty of water. DO NOT INDUCE VOMITING. If swallowed. Seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No data available
Effects: No health impairments are known or to be expected in the case of proper handling.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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5. Fire fighting measures

5.1 Suitable extinguishing media

Suitable: Atomized water, extinguishing powder, alcohol resisted Foam, CO₂.
Unsuitable: Water in full jet.

5.2 Special hazards arising from the substance or mixture

Special dangers during fire fighting:
May decompose in fire forming toxic gases. Hazardous decomposition products: Carbon dioxide (CO₂), carbon monoxide.

5.3 Advice for fire-fighters

Staying in the danger zone only with air conditioning independent breathing apparatus. Avoid skin contact by wearing suitable protective clothing and keeping a safe distance. Use water spray/stream to protect personnel and to cool endangered containers. Beat down escaping vapours with water. Collect contaminated extinguishing water, must not get into the sewer system.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental precautions

Keep away from sewers, water and soil. Notify competent authority in case of intrusion.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Place in suitable and closed containers for disposal. Treat the collected material according to section Disposal.

6.4 Reference to other sections

For emergency information see section 1.
Protection measures see section 7 and 8.

7. Handling and storage

7.1 Precautions for safe handling

If using chemicals the usual precautions have to be observed.
After work wash your hands.

7.2 Conditions for safe storage, including any incompatibilities

Keep container closed.
Suitable container materials: PE, PP, PET, stainless steel, glass.
Recommended storage temperature: max. 40°C / 104°F

7.3 Specific end use(s)

Smoke fluid

8. Exposure controls/personal protection

8.1 Control parameters

Not applicable

8.2 Exposure controls

Personal protective equipment.
General protection and hygiene measures. Keep away from beverages, food and feed. Immediately remove soiled or soaked clothing.
Washing hands before breaks and at the end of work. Avoid contact with skin and eyes.
Hand protection: Solvent resistant gloves.
Eye protection: Tight-closing safety goggles.

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): 7

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- Boiling point (1013 hPa): no data available
- Ignition temperature (solid, gaseous): no data available
- Decomposition temperature: no data available
- Danger of explosion: no data available
- Upper explosion limit: no data available
- Relative vapour density: no data available
- Relative density (20°C/68°F): no data available
- Distribution coefficient (log Pow): no data available
- Viscosity, kinematically: no data available
- Melting point: -41°C / -41,8°F
- Flash point: non-safety-relevant
- Ignition temperature: no data available
- Auto-ignition temperature: no data available
- Lower explosion limit: no data available
- Steam pressure (20°C/68°F): no data available
- Density (20°C/68°F): Ca. 1,06g/cm³ (ISO 387)
- Water solubility (20°C/68°F): Complete miscible
- Viscosity / dynamic (20°C/68°F): 48 mPa.s

9.2 Other information

Other data have not been determined.

10. Stability and reactivity

10.1 Reactivity

None if used as intended

10.2 Chemical stability

Stable under normal temperature and pressure conditions.

10.3 Possibility of hazardous reactions

None if used as intended

10.4 Conditions to avoid

No decomposition when used as intend.
Protect from direct sunlight.
Keep container tightly closed.

10.5 Incompatible materials

Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products

Violent reactions with strong oxidising agents.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Oral: LD50: >5000mg/kg (rat)
Skin: LD50: >2000mg/kg (rabbit)

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

Skin corrosion/irritation

The mixture is not skin-irritating.

Serious eye damage/ irritation

Slight irritation possible.

Sensitization to the respiratory tract or skin

No sensitization known.
The classification criteria are not fulfilled on the basis of the available data.

Germ cell mutagenicity

The mixture is not classified.
The mixture does not contain substances classified as mutagens.

Carcinogenicity

The mixture is not classified.
The mixture does not contain substances classified as carcinogens .

Reproductive toxicity

The mixture is not classified.
The mixture does not contain substances classified as toxic for reproduction.

Specific target organ toxicity - repeated exposure

The classification criteria are not fulfilled on the basis of the available data.

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Specific target organ toxicity - single exposure

The classification criteria are not fulfilled on the basis of the available data.

Aspiration hazard

The classification criteria are not fulfilled on the basis of the available data.

Other information

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

12. Ecological information

12.1 Toxicity

LC50 : > 10.000 mg/l (Oncorhynchus mykiss; 96 h)
LC50 : > 10.000 mg/l (Ceriodaphnia dubia (water fleas);48 h)

12.2 Persistence and degradability

Persistence: No data available
Bio degradability: > 70 % (expositiontime: 28 d)(OECD 301 A)
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 Other adverse effects

Do not empty into drains or the aquatic environment.
No further relevant information available.

Other information

The toxicological data of this product have not been determined experimentally.
The figures are calculated from the evaluations or tests of similar products.

13. Disposal considerations

13.1 Waste treatment methods

Product

Small amounts diluted with water, dispose with wastewater. Larger amounts back to the manufacturer.

Packaging

Rinse empty packaging with plenty of water, then recycle, landfill or incinerate in an orderly manner.
Advice cleaner: Water, in case with cleaner.

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

Not applicable

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.

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15. Regulatory information

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

National regulatory information (D):

Water contaminating class (D): 1 - slightly water contaminating.

15.2 Chemical Safety Assessment

Chemical safety assessments for this mixture were not carried out.

16. Other information

Applicable EC-Directives

REACH-Regulation (EC) No. 1907/2006 at last amended by Regulation (EU) 2018/675

CLP-Regulation (EC) No. 1272/2008, at last amended by Regulation (EU) 2018/669

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.

Sektion 1, 2, 7, 9, 10, 11, 12, 14 have been revised.

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.

DS 1413-1 MW Material Safety Data Sheet 50604300