

Product identifier: base battery liquid smokefluid  
Revision date: 20.03.15  
Print date: 31.03.15  
Version: 3.1.0

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

### 1.1 Product identifier

#### **base battery liquid smokefluid**

### 1.2 Relevant identified uses of the mixture and uses advised against

To produce smoke and dust  
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### 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: info@hazebase.com

### 1.4 Emergency telephone

+49 61 31 / 19 24 0 (Giftinfo Mainz, 24 h in Deutsch und Englisch)

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## 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.

#### **Classification in accordance with EU guidelines 67/548/ EEC or 1999/45/ EC**

This mixture is not classified as dangerous according to Directive 1999/45/EC.

### 2.2 Label elements

Not necessary

### 2.3 Other hazards

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

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## 3. Composition/information on ingredients

3.1 This product is a mixture

### 3.2 Chemical characterization

Mixture related information: Water, Glycol

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## 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:** Flush eyes with water while holding eyelids open. Rest eyes for 30 minutes. If redness, burning, blurred vision, or swelling persist, transport to the nearest medical facility for additional treatment.

**After ingestion:** In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No data available  
Effects: No important effects known.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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## 5. Fire fighting measures

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## 5.1 Suitable extinguishing media

Atomized water, extinguishing powder, alcohol resisted Foam, CO<sub>2</sub>.

## 5.2 Special hazards arising from the substance or mixture

In case of fire and/or explosion do not breathe fumes.

## 5.3 Advice for firefighters

Wear chemical resistant suit. In case of fire: Wear self-contained breathing apparatus.

## Additional information

Use water spray/stream to protect personnel and to cool endangered containers.

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## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Guide people to safety.

### 6.2 Environmental precautions

Do not empty into drains or the aquatic environment.

### 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).

### 6.4 Reference to other sections

Protection measures see section 7 and 8.

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## 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. 60°C / 140°F

### 7.3 Specific end use(s)

Smoke fluid

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## 8. Exposure controls/personal protection

### 8.1 Control parameters

Not applicable

### 8.2 Exposure controls

Personal protective equipment

Hand protection: Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN 374, US:F739) made from the following materials may provide suitable chemical protection: Longer term protection: PVC, neoprene rubber, nitrile rubber. Suitability and durability of a glove is dependent of usage, e.g. frequency and duration of dexterity. Always seek advice from glove suppliers.

Eye protection: Chemical splash goggles.

Occupational exposure controls: If using chemicals the usual precautions have to be observed.

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## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

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|--|---|
| - Physical state: Liquid                         | - Boiling point (1013 hPa): 280-295°C / 536 – 563°F |
| - Colour: Colourless                             | - Flashpoint: >175°C / 347°F                        |
| - Odour: Odourless, mild                         | - Ignition temperature: >400°C / 752°F              |
| - Melting point: -6°C / 22,2°F                   | - Vapour pressure (20°C/68°F): Not determined       |
| - Density (20°C/68°F): Ca. 1,11g/cm <sup>3</sup> | - Water solubility (20°C/68°F): Complete miscible   |
| - pH-Value: 6,5 - 7,5                            | - Viscosity / dynamic (20°C/68°F): 40 mPa.s         |

### 9.2 Other information

Other data have not been determined.

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## 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

None

### 10.5 Incompatible materials

Strong oxidising agents. Strong acids

### 10.6 Hazardous decomposition products

Violent reactions with strong oxidising agents

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## 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

LD50: 33600 - 44120 mg/kg (rat)

#### Irritation, corrosivity, sensitization

Skin: May cause moderate skin irritation (but insufficient to classify)

Eyes: Moderately irritating to eyes (but insufficient to classify)

Sensitisation: Not expected to be a skin sensitizer.

#### Repeated dose toxicity

No data available

#### Carcinogenicity, mutagenicity, reproductive toxicity

The product does not contain relevant concentrations of carcinogenic, mutagenic and toxic to reproduction properties.

#### Other information

Additional advice: If the using of the product is intended, there will be no harmful effect.

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## 12. Ecological information

### 12.1 Toxicity

LC50 : > 100 mg/l (Pimephales promelas; 96 h)

EC50 : > 100 mg/l (Daphnia magna (water fleas); 48 h)

### 12.2 Persistence and degradability

Readily biodegradable > 70 % (OECD 301 A)

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

Do not empty into drains or the aquatic environment.

#### 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.

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## 13. Disposal considerations

### 13.1 Waste treatment methods

#### Product

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

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**Packaging**

Completely emptied packing can be re-cycled.  
Advice cleaner: Water, in case with cleaner

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**14. Transport information**

**14.1 UN-No**

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**14.2 Proper shipping name:**

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**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**

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**14.5 Environmental hazards**

Dangerous for the environment: No

**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.

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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.

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**16. Other information**

**Applicable EC-Directives**

Preparations Directive (1999/45/EG), at last amended by Regulation (EG) Nr. 1907/2006.

Substances Directive (67/548/EWG), at last amended by Directive 2009/2/EG.

REACH-Regulation (EG) Nr. 1907/2006 at last amended by Regulation (EU) Nr.474/2014.

CLP-Regulation (EG) Nr. 1272/2008, at last amended by Regulation (EU) Nr. 605/2014.

**Other information**

# Section was revised

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

DS 1411-1 MW Material Safety Data Sheet 50604600