

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## BREAK-THRU® SP 133

Version 1.0 / REG\_EU

Revision Date: 09.03.2022

Specification: 201458

Material no.:

Date of first issue: 09.03.2022

Print Date: 10.03.2022

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

#### 1.1 Product identifier

Trade name : BREAK-THRU® SP 133

Registration number : if available listed in Chapter. 3

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

Use of the Sub-stance/Mixture : Additive for crop protectant sprays

#### 1.3 Details of the supplier of the safety data sheet

Company : Alzchem Trostberg GmbH  
Dr.-Albert-Frank-Str. 32  
83308 Trostberg, Germany

Telephone : +49 8621 86-3351

E-mail address of person responsible for the SDS : alz-pst@alzchem.com

#### 1.4 Emergency telephone number

Emergency telephone number : +49 8621 86-2776  
Alzchem Trostberg GmbH, Fire Brigade

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

#### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008)**

No labelling required

#### 2.3 Other hazards

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Chemical nature : Mixture of fatty acid esters

#### Components

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : Seek medical advice in case of symptoms caused by eye or skin contact, inhalation or swallowing.
- If inhaled : If breathed in, move person into fresh air.
- In case of skin contact : Wash off with plenty of water and soap.
- In case of eye contact : Rinse thoroughly with plenty of water, also under the eyelids.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.

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

None known.

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

Treatment : Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media : Water spray, foam, CO<sub>2</sub>, dry powder.
- Unsuitable extinguishing media : High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : Carbon oxides

#### 5.3 Advice for firefighters

- Special protective equipment for firefighters : In the case of fire, wear respiratory protective equipment independent of surrounding air and chemical protective suit.
- Further information : Cool container with jet of water spray from a safe distance

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### SECTION 6: Accidental release measures

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

Personal precautions : Wear personal protective equipment; see section 8.

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### 6.2 Environmental precautions

Environmental precautions : Product or extinguishing water with product must not be allowed to enter soil, sewers or natural bodies of water.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Absorb with liquid-binding material, e. g.: diatomaceous earth, sand, universal binder  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Provide sufficient ventilation and exhaust at the workplace.  
Use respiratory protection during spraying.

Advice on protection against fire and explosion : No special precautions required.

Hygiene measures : Do not inhale vapours / aerosols. Avoid contact with skin, eyes and clothing. Take off clothing and shoes contaminated with product. Clean before reuse. Do not eat, drink or smoke while working. Wash hands, and/or face before breaks and when workday is finished. Keep away from food, drink and animal feedingstuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool place.

Storage class (TRGS 510) : 10, Combustible liquids

### 7.3 Specific end use(s)

Specific use(s) : We are unaware of any specific end uses which go beyond the data reported in Section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

None known.

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Safety glasses

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|                          |   |  |
|--------------------------|---|--|
| Hand protection          | : |  |
| Material                 | : | Nitrile rubber, Recommendation: Dermatril 740  |
| Break through time       | : | 480 min  |
| Glove thickness          | : | 0,11 mm  |
| Manufacturer             | : | Kächele-Cama Latex GmbH (KCL), Germany   |
| Skin and body protection | : | Protective clothing  |
| Respiratory protection   | : | If gas/fumes/aerosols occur for short periods:<br>Suitable filter: A-P2, code colour brown-white |

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |   |  |
|--|---|--|
| Physical state                                   | : | viscous  |
| Colour   | : | colourless to yellowish                                    |
| Odour  | : | characteristic   |
| Melting point/range                              | : | not determined   |
| Boiling point/boiling range                      | : | not determined   |
| Upper explosion limit / upper flammability limit | : | not determined   |
| Lower explosion limit / Lower flammability limit | : | not determined   |
| Flash point                                      | : | > 100 °C<br>Method: DIN 51758 (Pensky-Martens Closed Cup)  |
| Auto-ignition temperature                        | : | not determined   |
| pH   | : | 6 - 7 (20 °C)<br>Concentration: 100 g/l                    |
| Viscosity  | : |  |
| Viscosity, dynamic                               | : | 380 mPa.s (25 °C)<br>Method: DIN 53 015                    |
| Solubility(ies)                                  | : |  |
| Water solubility                                 | : | dispersible  |
| Solubility in other solvents                     | : | soluble in:, Aromatic hydrocarbons, alcohols               |
| Density  | : | 0,96 - 0,98 g/cm <sup>3</sup> (25 °C)<br>Method: DIN 51757 |

### 9.2 Other information

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Oxidizing properties : not applicable

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

See section 10.3

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reactions have been known to occur in conjunction with the proper use to the product.

#### 10.4 Conditions to avoid

Conditions to avoid : None known

#### 10.5 Incompatible materials

Materials to avoid : None known.

#### 10.6 Hazardous decomposition products

decomposition products In the case of fire  
see section 5

### SECTION 11: Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### Acute toxicity

###### Product:

Acute oral toxicity : LD50 (rat): > 5000 mg/kg  
Method: OECD Test Guideline 425  
Remarks: literature

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : LD50 (rat): > 5000 mg/kg  
Method: OECD Test Guideline 402  
Remarks: literature

##### Skin corrosion/irritation

###### Product:

Species : Rabbit  
Assessment : Based on available data, the classification criteria are not met.  
Method : OECD Test Guideline 404  
Result : slight irritation  
Remarks : literature

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### Serious eye damage/eye irritation

**Product:**

Species : Rabbit  
Assessment : Based on available data, the classification criteria are not met.  
Method : OECD Test Guideline 405  
Result : slight irritation  
Remarks : literature

### Respiratory or skin sensitisation

**Product:**

Remarks : no data available

### Germ cell mutagenicity

**Product:**

Germ cell mutagenicity- Assessment : no data available

### Carcinogenicity

**Product:**

Carcinogenicity - Assessment : no data available

### Reproductive toxicity

**Product:**

Reproductive toxicity - Assessment : no data available

### STOT - single exposure

**Product:**

Remarks : no data available

### STOT - repeated exposure

**Product:**

Remarks : no data available

### Aspiration toxicity

**Product:**

No aspiration toxicity classification

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### 11.2 Information on other hazards

#### Further information

##### Product:

Remarks : No additional toxicological data are available.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

##### Ecotoxicology Assessment

Acute aquatic toxicity : Based on available data, the classification criteria are not met.

Chronic aquatic toxicity : Based on available data, the classification criteria are not met.

### 12.2 Persistence and degradability

#### Product:

Biodegradability : Remarks: no data available

Photodegradation : Remarks: no data available

### 12.3 Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: no data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out

### 12.6 Endocrine disrupting properties

no data available

### 12.7 Other adverse effects

#### Product:

Additional ecological information : No further ecotoxicological data are available. Avoid release to the environment.

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

- Product : Must be brought to an adequate waste treatment facility, in conformity with applicable waste disposal regulations.
- Contaminated packaging : Packaging, that can not be reused after cleaning must be disposed or recycled in accordance with all federal, national and local regulations.

### SECTION 14: Transport information

#### 14.1 UN number or ID number

Not regulated as a dangerous good

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

#### 14.4 Packing group

Remarks : Not classified as dangerous in the meaning of transport regulations.

**ADR** : Not regulated as a dangerous good

**RID** : Not regulated as a dangerous good

**IMDG** : Not regulated as a dangerous good

Remarks : Not classified as dangerous in the meaning of transport regulations.

**IATA (Cargo)** : Not regulated as a dangerous good

Remarks : Not classified as dangerous in the meaning of transport regulations.

**IATA (Passenger)** : Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

#### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.



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### SECTION 15: Regulatory information

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

#### 15.2 Chemical safety assessment

No substance safety assessment is required for this product.

### SECTION 16: Other information

#### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

#### Further information

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 and is not to be considered a warranty or quality specification. The information relates only to the specific

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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.

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