

# SAFETY DATA SHEET

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

Revision date: 25 Jun 2024

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

#### 1.1. Product identifier

Trade name/designation:

Automatic

Article No.:

452

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

Use of the substance/mixture:

Beschichtung

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

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Otto Oehme GmbH

FEA

Industriestr. 20

90584 Allersberg

Germany

Telephone: 09176/98050

Telefax: 09176/980555

E-mail: Info@Oehme-Lorito.de

Website: www.Oehme-Lorito.de

#### 1.4. Emergency telephone number

No data available

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard components for labelling:

2-Methyl-2H-isothiazol-3-on; 1-Methoxy-2-propanol; Butyldiglykol

Hazard statements: none

Supplemental hazard information

EUH208

Contains 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

Precautionary statements: none

#### 2.3. Other hazards

No data available

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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous ingredients / Hazardous impurities / Stabilisers:

| Product identifiers  | Substance name<br>Classification according to Regulation (EC) No 1272/2008 [CLP] | Concentration       |
|--|--|---------------------|
| CAS No.: 112-34-5<br>EC No.: 203-961-6<br>Index No.: 603-096-00-8<br>REACH No.:<br>01-2119475104-44-XXXX | <b>2-(2-butoxyethoxy)ethanol</b><br>Eye Irrit. 2 (H319)<br>Warning               | 5 - ≤ 1<br>weight-% |

Full text of H- and EUH-phrases: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

##### Following inhalation:

Provide fresh air.

##### Following ingestion:

Rinse mouth. Let 1 glass of water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

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

No known symptoms to date.

#### 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:

Co-ordinate fire-fighting measures to the fire surroundings.

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

The product itself does not burn.

##### Hazardous combustion products:

In case of fire: Gases/vapours, toxic

#### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

#### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

##### Personal precautions:

Avoid breathing dust/fume/gas/mist/vapours/spray. Remove persons to safety.

##### Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

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### 6.1.2. For emergency responders

#### Personal protection equipment:

Personal protection equipment: see section 8

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

#### For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Protective measures

#### Advices on safe handling:

Wear personal protection equipment (refer to section 8).

#### Fire prevent measures:

No special measures are necessary.

#### Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

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

#### Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

**Storage class (TRGS 510, Germany):** 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

### 7.3. Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

| Limit value type (country of origin) | Substance name   | ① Long-term occupational exposure limit value<br>② Short-term occupational exposure limit value<br>③ Instantaneous value<br>④ Monitoring and observation processes<br>⑤ Remark |
|--------------------------------------|--|--|
| TRGS 900 (DE)<br>from 1 Mar 2011     | <b>2-(2-butoxyethoxy)ethanol</b><br>CAS No.: 112-34-5<br>EC No.: 203-961-6 | ① 10 ppm (67 mg/m <sup>3</sup> )<br>② 15 ppm (100.5 mg/m <sup>3</sup> )<br>⑤ (Aerosol und Dampf) EU, DFG, Y, 11  |
| IOELV (EU)                           | <b>2-(2-butoxyethoxy)ethanol</b><br>CAS No.: 112-34-5<br>EC No.: 203-961-6 | ① 10 ppm (67.5 mg/m <sup>3</sup> )<br>② 15 ppm (101.2 mg/m <sup>3</sup> )  |
| TRGS 900 (DE)                        | <b>2-(2-ethoxyethoxy)ethanol</b><br>CAS No.: 111-90-0<br>EC No.: 203-919-7 | ① 6 ppm (35 mg/m <sup>3</sup> )<br>② 12 ppm (70 mg/m <sup>3</sup> )<br>⑤ (Aerosol und Dampf) AGS, Y, 11  |

#### 8.1.2. Biological limit values

No data available

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### 8.1.3. DNEL-/PNEC-values

No data available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No data available

#### 8.2.2. Personal protection equipment

##### Eye/face protection:

Eye glasses with side protection EN 166

##### Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

#### 8.2.3. Environmental exposure controls

No data available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Physical state: Liquid

Colour: white

Odour: characteristic

#### Safety relevant basis data

| Parameter                                    | Value               | at °C | ① Method<br>② Remark |
|--|---------------------|-------|----------------------|
| pH   | ≈ 8.4               | 20 °C |                      |
| Melting point                                | No data available   |       |                      |
| Freezing point                               | No data available   |       |                      |
| Initial boiling point and boiling range      | No data available   |       |                      |
| Flash point                                  | not applicable      |       |                      |
| Evaporation rate                             | No data available   |       |                      |
| Auto-ignition temperature                    | not applicable      |       |                      |
| Upper/lower flammability or explosive limits | No data available   |       |                      |
| Vapour pressure                              | No data available   |       |                      |
| Vapour density                               | No data available   |       |                      |
| Density                                      | 1 g/cm <sup>3</sup> |       |                      |
| Bulk density                                 | not applicable      |       |                      |
| Water solubility                             | miscible            |       |                      |
| Dynamic viscosity                            | No data available   |       |                      |
| Kinematic viscosity                          | No data available   |       |                      |

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

not relevant The product itself does not burn.

### 10.2. Chemical stability

No data available

### 10.3. Possibility of hazardous reactions

No data available

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### 10.4. Conditions to avoid

No data available

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

In case of fire: Gases/vapours, toxic

## SECTION 11: Toxicological information

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

|  |
|--|
| <b>2-(2-butoxyethoxy)ethanol</b> CAS No.: 112-34-5 EC No.: 203-961-6 |
|--|

|  |
|--|
| <b>LD<sub>50</sub> oral:</b> 2,410 mg/kg (Mouse) |
|--|

|   |
|---|
| <b>LD<sub>50</sub> dermal:</b> 2,764 mg/kg (Rabbit) |
|---|

#### Acute oral toxicity:

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

#### Acute dermal toxicity:

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

#### Acute inhalation toxicity:

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

#### Skin corrosion/irritation:

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

#### Serious eye damage/irritation:

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

#### Respiratory or skin sensitisation:

Contains 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

#### Germ cell mutagenicity:

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

#### Carcinogenicity:

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

#### Reproductive toxicity:

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

#### 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.

#### Additional information:

No data available

### 11.2. Information on other hazards

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

|  |
|--|
| <b>2-(2-butoxyethoxy)ethanol</b> CAS No.: 112-34-5 EC No.: 203-961-6 |
|--|

|  |
|--|
| <b>LC<sub>50</sub>:</b> 1,300 mg/L 4 d (Sonnenbarsch) OECD 203 |
|--|

|   |
|---|
| <b>EC<sub>50</sub>:</b> >100 mg/L 2 d (Daphnia magna) |
|---|

|   |
|---|
| <b>ErC<sub>50</sub>:</b> 1,101 mg/L 3 d (Algae/water plant) |
|---|

### 12.2. Persistence and degradability

No data available

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### 12.3. Bioaccumulative potential

2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6

Log K<sub>OW</sub>: = 1

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6

Results of PBT and vPvB assessment: —

### 12.6. Endocrine disrupting properties

No data available

### 12.7. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### 13.1.1. Product/Packaging disposal

#### Waste codes/waste designations according to EWC/AVV

##### Waste code product

07 06 01 \* aqueous washing liquids and mother liquors

20 01 29 \* Detergents containing hazardous substances

\*: Evidence for disposal must be provided.

##### Waste code packaging

20 01 39 plastics

#### Waste treatment options

##### Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

## SECTION 14: Transport information

| Land transport (ADR/RID)                                   | Inland waterway craft (ADN)                                | Sea transport (IMDG)                                       | Air transport (ICAO-TI / IATA-DGR)                         |
|--|--|--|--|
| <b>14.1. UN number or ID number</b>                        |  |  |  |
| No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. |
| <b>14.2. UN proper shipping name</b>                       |  |  |  |
| No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. |
| <b>14.3. Transport hazard class(es)</b>                    |  |  |  |
| not relevant   | not relevant   | not relevant   | not relevant   |
| <b>14.4. Packing group</b>                                 |  |  |  |
| not relevant   | not relevant   | not relevant   | not relevant   |
| <b>14.5. Environmental hazards</b>                         |  |  |  |
| not relevant   | not relevant   | not relevant   | not relevant   |
| <b>14.6. Special precautions for user</b>                  |  |  |  |
| not relevant   | not relevant   | not relevant   | not relevant   |

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

No data available

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### SECTION 15: Regulatory information

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

##### 15.1.1. EU legislation

###### Restrictions on use:

Ingredients according to the Detergents Regulation 648/2004/EG:  
Benzisothiazolinone , Methylisothiazolinone

##### 15.1.2. National regulations

###### [DE] National regulations

###### Restrictions of occupation

Observe employment restrictions according to the Act on the Protection of Mothers at Work, in Training and in Studies (Maternity Protection Act - MuSchG).

Observe employment restrictions according to the Law for the protection of working youth (Protection of Young Persons Act - JArbSchG).

People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this mixture.

###### Water hazard class

###### WGK:

1 - slightly hazardous to water

#### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out for this product.

### SECTION 16: Other information

#### 16.1. Indication of changes

No data available

#### 16.2. Abbreviations and acronyms

|                  |   |
|------------------|---|
| ACGIH            | American Conference of Governmental Industrial Hygienists                                       |
| ADN              | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR              | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| BCF              | Bioconcentration Factor   |
| CAS              | Chemical Abstracts Service  |
| CLP              | Classification, Labelling and Packaging   |
| DIN              | German Institute for Standardization / German Industrial Standard                               |
| DNEL             | derived no-effect level   |
| EC <sub>50</sub> | Effective Concentration 50%   |
| EN               | European Standard   |
| ES               | Exposure scenario   |
| IC <sub>50</sub> | Inhibition Concentration 50 %   |
| ICAO             | International Civil Aviation Organization   |
| IMDG             | International Maritime Dangerous Goods  |
| IMO              | International Maritime Organization   |
| ISO              | International Standards Organisation  |
| LC <sub>50</sub> | Lethal (fatal) Concentration 50%  |
| LD <sub>50</sub> | Lethal (fatal) Dose 50%   |
| MAK              | Maximum concentration in the workplace air (CH)   |
| NFPA             | National Fire Protection Association  |
| NIOSH            | National Institute for Occupational Safety & Health   |
| NOEC             | No Observed Effect Concentration  |
| OECD             | Organisation for Economic Cooperation and Development   |
| PBT              | persistent and bioaccumulative and toxic  |
| PNEC             | Predicted No Effect Concentration   |
| REACH            | Registration, Evaluation and Authorization of Chemicals   |
| RID              | Dangerous goods regulations for transport by rail   |

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SCL Specific concentration limit  
TRGS Technische Regeln für Gefahrstoffe  
UN United Nations

### 16.3. Key literature references and sources for data

No data available

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

### 16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

| Hazard statements |                                |
|-------------------|--------------------------------|
| H319              | Causes serious eye irritation. |

### 16.6. Training advice

No data available

### 16.7. Additional information

No data available