

## EH 531

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Issue date: 12/6/2023 Version: 1.0

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

##### 1.1. Product identifier

Product form : Mixture

Product name : EH 531

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

###### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use

Use of the substance/mixture : Welding and soldering products, flux products

###### 1.2.2. Uses advised against

No additional information available

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

Oerlikon Kaynak Elektrodları ve Sanayi A.Ş.

Organize Sanayi Bölgesi, 2. Kısım No: 23

P.O. Box 45030

Manisa - Türkiye

T +90 236 226 26 00

[info@magmaweld.com](mailto:info@magmaweld.com) - [www.madmaweld.com](http://www.madmaweld.com)

##### 1.4. Emergency telephone number

Emergency number : 444 93 53

| Country        | Organisation/Company                                                                                                          | Address                                                       | Emergency number                       | Comment                                                                                          |
|----------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------|
| France         | Centre Antipoison et de Toxicovigilance de Paris<br>Hôpital Fernand Widai                                                     | 200 rue du Faubourg Saint-Denis<br>75475 Paris Cedex 10       | +33 1 40 05 48 48                      |                                                                                                  |
| Germany        | Giftnotruf der Charité -<br>Universitätsmedizin Berlin<br>CBF, Haus VIII<br>(Wirtschaftgebäude), UG                           | Hindenburgdamm 30<br>12203 Berlin                             | +49 (0) 30 19240                       |                                                                                                  |
| Portugal       | Centro de Informação<br>Antivenenos<br>Instituto Nacional de<br>Emergência Médica                                             | Rua Almirante Barroso, 36<br>1000-013 Lisboa                  | +351 800 250 250                       |                                                                                                  |
| Russia         | Информационно-<br>консультативный центр по<br>токсикологии (RTIAC)<br>Министерство<br>здравоохранения<br>Российской Федерации | 3 Сухаревская Площадь<br>Блок 7<br>129090 г. Москва           | +7 495 628 1687 (только на<br>русском) |                                                                                                  |
| Turkey         | Ulusal Zehir Merkezi (UZEM)<br>Refik Saydam Hıfzıssıhha<br>Merkezi Başkanlığı                                                 | Cemal Gürsel Cd. No: 18<br>Sıhhiye<br>Çankaya<br>06590 Ankara | 114                                    | Information is provided to<br>public and medical personnel<br>on poisoning incidents via<br>114. |
| United Kingdom | National Poisons Information<br>Service (Newcastle Centre)<br>Regional Drugs and<br>Therapeutics Centre, Wolfson<br>Unit      | Claremont Place<br>Newcastle-upon-Tyne<br>NE1 4LP Newcastle   | 0344 892 0111                          |                                                                                                  |

#### SECTION 2: Hazards identification

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

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

Skin corrosion/irritation Not classified

Serious eye damage/eye irritation Not classified

Skin sensitisation Not classified

Carcinogenicity Not classified

Specific target organ toxicity (repeated exposure) Not classified

Full text of H statements : see section 16

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### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

### 2.2. Label elements

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

No labelling applicable

### 2.3. Other hazards

Other hazards not contributing to the classification : Avoid dust formation. Do not breathe dust. Avoid contact with skin and eyes. In welding process: heat, radiation, electric shock and welding fumes may cause hazards. Persons with a pacemaker should not go near welding or cutting operations. Welding: May cause fire.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                                    | Product identifier                         | %     | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------------------------------------------------------|--------------------------------------------|-------|-----------------------------------------------------------------|
| chromium                                                | (CAS-No.) 7440-47-3<br>(EC-No.) 231-157-5  | ≤ 40  | Not classified                                                  |
| Manganese                                               | (CAS-No.) 7439-96-5<br>(EC-No.) 231-105-1  | ≤ 20  | Not classified                                                  |
| Calcium carbonate                                       | (CAS-No.) 1317-65-3<br>(EC-No.) 215-279-6  | ≤ 15  | Not classified                                                  |
| Calcium Flouride                                        | (CAS-No.) 7789-75-5<br>(EC-No.) 232-188-7  | ≤ 15  | Not classified                                                  |
| Rutile                                                  | (CAS-No.) 1317-80-2<br>(EC-No.) 215-282-2  | ≤ 10  | Not classified                                                  |
| Magnesium oxide                                         | (CAS-No.) 1309-48-4<br>(EC-No.) 215-171-9  | ≤ 10  | Not classified                                                  |
| Aluminium silicate (Kaolin)                             | (CAS-No.) 1332-58-7<br>(EC-No.) 310-194-1  | ≤ 10  | Not classified                                                  |
| Feldspar                                                | (CAS-No.) 68476-25-5<br>(EC-No.) 270-666-7 | ≤ 10  | Eye Irrit. 2, H319<br>STOT SE 3, H335                           |
| Mullite                                                 | (CAS-No.) 1302-93-8<br>(EC-No.) 215-113-2  | ≤ 10  | Not classified                                                  |
| Molybdenum                                              | (CAS-No.) 7439-98-7<br>(EC-No.) 231-107-2  | ≤ 10  | Not classified                                                  |
| strontium carbonate                                     | (CAS-No.) 1633-05-2<br>(EC-No.) 216-643-7  | ≤ 5   | Not classified                                                  |
| FERROSILICON with 30% or more but less than 90% silicon | (CAS-No.) 8049-17-0<br>(EC-No.) 617-088-7  | ≤ 5   | Not classified                                                  |
| Mica dust                                               | (CAS-No.) 12001-26-2<br>(EC-No.) 601-648-2 | ≤ 5   | Not classified                                                  |
| Quartz                                                  | (CAS-No.) 14808-60-7<br>(EC-No.) 238-878-4 | ≤ 5   | STOT RE 1, H372                                                 |
| Potassium Silicate                                      | (CAS-No.) 1312-76-1<br>(EC-No.) 215-199-1  | 2 – 5 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318                         |
| Sodium Silicate                                         | (CAS-No.) 1344-09-8<br>(EC-No.) 215-687-4  | 2 – 5 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335    |
| Niobium                                                 | (CAS-No.) 7440-03-1<br>(EC-No.) 231-113-5  | ≤ 5   | Not classified                                                  |
| Vanadium                                                | (CAS-No.) 7440-62-2<br>(EC-No.) 231-171-1  | ≤ 5   | Not classified                                                  |
| Tungsten                                                | (CAS-No.) 7440-33-7<br>(EC-No.) 231-143-9  | ≤ 5   | Flam. Sol. 1, H228<br>Self-heat. 2, H252                        |

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|                                         |                                                                           |     |                                                                               |
|-----------------------------------------|---------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------|
| Boron                                   | (CAS-No.) 7440-42-8<br>(EC-No.) 231-151-2                                 | ≤ 5 | Not classified                                                                |
| nickel                                  | (CAS-No.) 7440-02-0<br>(EC-No.) 231-111-4<br>(EC Index-No.) 028-002-00-7  | ≤ 2 | Carc. 2, H351<br>STOT RE 1, H372<br>Skin Sens. 1, H317                        |
| trisodium hexafluoroaluminate(cryolite) | (CAS-No.) 15096-52-3<br>(EC-No.) 239-148-8<br>(EC Index-No.) 009-016-00-2 | ≤ 1 | STOT RE 1, H372<br>Acute Tox. 4 (Inhalation), H332<br>Aquatic Chronic 2, H411 |
| antimony trioxide                       | (CAS-No.) 1309-64-4<br>(EC-No.) 215-175-0<br>(EC Index-No.) 051-005-00-X  | ≤ 1 | Carc. 2, H351                                                                 |

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

No additional information available

#### 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 : Water spray. Dry powder. Foam.
- Unsuitable extinguishing media : Strong water jet.

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

- Reactivity in case of fire : At high temperature may liberate dangerous gases.
- Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

- General measures : No open flames. No smoking. Use special care to avoid static electric charges. Eliminate every possible source of ignition. Access forbidden to unauthorised personnel. Use protective clothing.

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

- Protective equipment : Wear suitable protective clothing.
- Emergency procedures : Ventilate spillage area.
- Measures in case of dust release : In case of dust production: protective goggles. Dust mask.

##### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Avoid contact with skin and eyes. Do not touch spilled material. Evacuate unnecessary personnel. Keep away from combustible material. Keep public away from danger area. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Ventilate area. Stop leak if safe to do so.

#### 6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses.

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

- For containment : Comply with the safety instructions. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Mechanically recover the product.
- Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

|                                   |                                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------------------------|
| Additional hazards when processed | : Use adequate ventilation to keep vapour concentrations below applicable standard.                 |
| Precautions for safe handling     | : Ensure good ventilation of the work station. Wear personal protective equipment.                  |
| Hygiene measures                  | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

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

|                              |                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Technical measures           | : Comply with applicable regulations.                                                                                      |
| Storage conditions           | : Store in a well-ventilated place. Store in dry protected location to prevent any moisture contact. Store in a dry place. |
| Heat and ignition sources    | : Do not smoke. KEEP SUBSTANCE AWAY FROM: ignition sources. heat sources.                                                  |
| Information on mixed storage | : Keep away from food, drink and animal feeding stuffs. No contact with: strong acids, strong bases and strong oxidants.   |
| Storage area                 | : Avoid: Moisture.                                                                                                         |

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| Rutile (1317-80-2) |                                         |                         |
|--------------------|-----------------------------------------|-------------------------|
| EU                 | Local name                              | Rutile Titanium dioxide |
| EU                 | Notes                                   | (Ongoing)               |
| EU                 | Regulatory reference                    | SCOEL Recommendations   |
| Germany            | TRGS 910 Acceptable concentration notes |                         |

| Quartz (14808-60-7) |                                         |                              |
|---------------------|-----------------------------------------|------------------------------|
| EU                  | Local name                              | Silica crystalline (Quartz)  |
| EU                  | IOELV TWA (mg/m³)                       | 0.05 mg/m³ (respirable dust) |
| EU                  | Notes                                   | (Year of adoption 2003)      |
| EU                  | Regulatory reference                    | SCOEL Recommendations        |
| Germany             | TRGS 910 Acceptable concentration notes |                              |

| Manganese (7439-96-5) |                                         |                                                                    |
|-----------------------|-----------------------------------------|--------------------------------------------------------------------|
| EU                    | Local name                              | Manganese                                                          |
| EU                    | IOELV TWA (mg/m³)                       | 0.2 mg/m³ (inhalable fraction)<br>0.05 mg/m³ (respirable fraction) |
| EU                    | Notes                                   | (Year of adoption 2011)                                            |
| EU                    | Regulatory reference                    | SCOEL Recommendations                                              |
| Germany               | TRGS 910 Acceptable concentration notes |                                                                    |

| nickel (7440-02-0) |                                         |                                          |
|--------------------|-----------------------------------------|------------------------------------------|
| EU                 | Local name                              | Nickel metal                             |
| EU                 | IOELV TWA (mg/m³)                       | 0.005 mg/m³ (respirable fraction)        |
| EU                 | Notes                                   | (Year of adoption 2011)                  |
| EU                 | European - BGV                          | 3 µg/l Parameter: nickel - Medium: urine |
| EU                 | Regulatory reference                    | SCOEL Recommendations                    |
| Germany            | TRGS 910 Acceptable concentration notes |                                          |

| chromium (7440-47-3) |                   |                |
|----------------------|-------------------|----------------|
| EU                   | Local name        | Chromium metal |
| EU                   | IOELV TWA (mg/m³) | 2 mg/m³        |

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### chromium (7440-47-3)

|         |                                         |                                 |
|---------|-----------------------------------------|---------------------------------|
| EU      | Regulatory reference                    | COMMISSION DIRECTIVE 2006/15/EC |
| Germany | TRGS 910 Acceptable concentration notes |                                 |

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Hand protection:

Protective gloves. EN 374

#### Eye protection:

Safety glasses. EN 166. Where excessive dust may result, wear goggles

#### Skin and body protection:

Wear suitable protective clothing. In case of dust production: dustproof clothing. In case of dust production: head/neck protection. Where contact with eyes or skin is likely, wear suitable protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Dust production: dust mask with filter type P1

#### Environmental exposure controls:

Avoid release to the environment.

#### Consumer exposure controls:

Do not eat, drink or smoke during use. Always wash hands after handling the product. Avoid contact with skin and eyes. Avoid contact during pregnancy/while nursing.

## SECTION 9: Physical and chemical properties

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

|                                                 |                                          |
|-------------------------------------------------|------------------------------------------|
| Physical state                                  | : Solid                                  |
| Appearance                                      | : Solid.                                 |
| Colour                                          | : Grey.                                  |
| Odour                                           | : characteristic.                        |
| Odour threshold                                 | : No data available                      |
| pH                                              | : No data available                      |
| Relative evaporation rate (butylacetate=1)      | : No data available                      |
| Melting point                                   | : $\approx 1500\text{ }^{\circ}\text{C}$ |
| Freezing point                                  | : Not applicable                         |
| Boiling point                                   | : No data available                      |
| Flash point                                     | : Not applicable                         |
| Auto-ignition temperature                       | : Not applicable                         |
| Decomposition temperature                       | : No data available                      |
| Flammability (solid, gas)                       | : Non flammable.                         |
| Vapour pressure                                 | : No data available                      |
| Relative vapour density at 20 °C                | : $\approx 7.5$                          |
| Relative density                                | : No data available                      |
| Solubility                                      | : Insoluble.                             |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                      |
| Viscosity, kinematic                            | : No data available                      |
| Viscosity, dynamic                              | : No data available                      |
| Explosive properties                            | : Not explosive.                         |
| Oxidising properties                            | : Non oxidizing.                         |
| Explosive limits                                | : Not applicable                         |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Moisture. Do not allow contact with water. Avoid dust formation.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

#### strontium carbonate (1633-05-2)

|               |                                                                                                                                         |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method) |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------|

#### Mullite (1302-93-8)

|                            |                                                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------|
| LC50 inhalation rat (mg/l) | > 2.19 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity) |
|----------------------------|----------------------------------------------------------------------------------------------------------|

#### Tungsten (7440-33-7)

|                            |                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------|
| LD50 oral rat              | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)   |
| LD50 dermal rat            | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LC50 inhalation rat (mg/l) | > 5.4 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)      |

#### (7440-42-8)

|                            |                                                                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat              | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method) |
| LC50 inhalation rat (mg/l) | > 5.08 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)                                                  |

Skin corrosion/irritation : Not classified.

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified.

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified.

#### strontium carbonate (1633-05-2)

|                            |                                                     |
|----------------------------|-----------------------------------------------------|
| LOAEL (oral, rat, 90 days) | 49.6 mg/kg bodyweight Animal: rat, Animal sex: male |
|----------------------------|-----------------------------------------------------|

|                            |                                                     |
|----------------------------|-----------------------------------------------------|
| NOAEL (oral, rat, 90 days) | 12.4 mg/kg bodyweight Animal: rat, Animal sex: male |
|----------------------------|-----------------------------------------------------|

#### (7440-42-8)

|                            |                                                                                                                    |
|----------------------------|--------------------------------------------------------------------------------------------------------------------|
| NOAEL (oral, rat, 90 days) | > 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents) |
|----------------------------|--------------------------------------------------------------------------------------------------------------------|

Aspiration hazard : Not classified

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

#### strontium carbonate (1633-05-2)

|                    |                                                                                                                                              |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| LC50 fish 1        | > 97.45 mg/l Test organisms (species): Cyprinus carpio                                                                                       |
| LC50 fish 2        | > 40.3 mg/l Test organisms (species): Cyprinus carpio                                                                                        |
| EC50 72h algae (1) | > 43.3 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)  |
| EC50 72h algae (2) | > 104.7 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| NOEC chronic fish  | ≥ 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)<br>Duration: '34 d'                                      |

#### Tungsten (7440-33-7)

|                   |                                                                                                         |
|-------------------|---------------------------------------------------------------------------------------------------------|
| LC50 fish 1       | > 181 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)                     |
| EC50 Daphnia 1    | > 163 mg/l Test organisms (species): Daphnia magna                                                      |
| NOEC chronic fish | ≥ 9.8 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)<br>Duration: '38 d' |

#### (7440-42-8)

|                    |                                                                                                       |
|--------------------|-------------------------------------------------------------------------------------------------------|
| LC50 fish 1        | 79.7 mg/l Test organisms (species): Pimephales promelas                                               |
| LC50 fish 2        | 74 mg/l Test organisms (species): Limanda limanda                                                     |
| EC50 72h algae (1) | 66 mg/l Test organisms (species): Phaeodactylum tricornutum                                           |
| EC50 72h algae (2) | 54 mg/l Test organisms (species): Phaeodactylum tricornutum                                           |
| NOEC chronic fish  | 6.4 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)<br>Duration: '34 d' |

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR                                  | IMDG           | IATA           | ADN            | RID            |
|--------------------------------------|----------------|----------------|----------------|----------------|
| <b>14.1. UN number</b>               |                |                |                |                |
| Not applicable                       | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b> |                |                |                |                |
| Not applicable                       | Not applicable | Not applicable | Not applicable | Not applicable |

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### 14.3. Transport hazard class(es)

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

### 14.4. Packing group

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

### 14.5. Environmental hazards

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

#### Rail transport

Not applicable

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

##### Germany

Regulatory reference

: WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Employment restrictions

: Observe restrictions according Act on the Protection of Working Mothers (MuSchG)  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Hazardous Incident Ordinance (12. BImSchV)

: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen

: Calcium Flouride, Aluminium silicate (Kaolin), Feldspar, Quartz are listed

SZW-lijst van mutagene stoffen

: Calcium Flouride, Aluminium silicate (Kaolin), Feldspar are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding

: None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid

: Manganese is listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling

: Manganese is listed

##### Denmark

Danish National Regulations

: Young people below the age of 18 years are not allowed to use the product  
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out



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### SECTION 16: Other information

#### Abbreviations and acronyms:

|       |                                                                                                 |
|-------|-------------------------------------------------------------------------------------------------|
| 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             |
| ATE   | Acute Toxicity Estimate                                                                         |
| BCF   | Bioconcentration factor                                                                         |
| DMEL  | Derived Minimal Effect level                                                                    |
| DNEL  | Derived-No Effect Level                                                                         |
| EC50  | Median effective concentration                                                                  |
| IARC  | International Agency for Research on Cancer                                                     |
| IATA  | International Air Transport Association                                                         |
| IMDG  | International Maritime Dangerous Goods                                                          |
| LC50  | Median lethal concentration                                                                     |
| LD50  | Median lethal dose                                                                              |
| LOAEL | Lowest Observed Adverse Effect Level                                                            |
| NOAEC | No-Observed Adverse Effect Concentration                                                        |
| NOAEL | No-Observed Adverse Effect Level                                                                |
| NOEC  | No-Observed Effect Concentration                                                                |
| OECD  | Organisation for Economic Co-operation and Development                                          |
| PBT   | Persistent Bioaccumulative Toxic                                                                |
| PNEC  | Predicted No-Effect Concentration                                                               |
| RID   | Regulations concerning the International Carriage of Dangerous Goods by Rail                    |
| SDS   | Safety Data Sheet                                                                               |
| STP   | Sewage treatment plant                                                                          |
| TLM   | Median Tolerance Limit                                                                          |
| vPvB  | Very Persistent and Very Bioaccumulative                                                        |

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. ECHA (European Chemicals Agency). Supplier's safety documents.

#### Full text of H- and EUH-statements:

|                                  |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
| Acute Tox. 4 (Inhalation)        | Acute toxicity (inhal.), Category 4                               |
| Aquatic Chronic 2                | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Carc. 2                          | Carcinogenicity, Category 2                                       |
| Carc. Not classified             | Carcinogenicity Not classified                                    |
| Eye Dam. 1                       | Serious eye damage/eye irritation, Category 1                     |
| Eye Dam./Irrit. Not classified   | Serious eye damage/eye irritation Not classified                  |
| Eye Irrit. 2                     | Serious eye damage/eye irritation, Category 2                     |
| Flam. Sol. 1                     | Flammable solids, Category 1                                      |
| Self-heat. 2                     | Self-Heating Substances and Mixtures, Category 2                  |
| Skin Corr./Irrit. Not classified | Skin corrosion/irritation Not classified                          |
| Skin Irrit. 2                    | Skin corrosion/irritation, Category 2                             |
| Skin Sens. 1                     | Skin sensitisation, Category 1                                    |
| Skin Sens. Not classified        | Skin sensitisation Not classified                                 |
| STOT RE 1                        | Specific target organ toxicity — Repeated exposure, Category 1    |
| STOT RE Not classified           | Specific target organ toxicity (repeated exposure) Not classified |

# EH 531

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

|           |                                                                                            |
|-----------|--------------------------------------------------------------------------------------------|
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H228      | Flammable solid.                                                                           |
| H252      | Self-heating in large quantities; may catch fire.                                          |
| H315      | Causes skin irritation.                                                                    |
| H317      | May cause an allergic skin reaction.                                                       |
| H318      | Causes serious eye damage.                                                                 |
| H319      | Causes serious eye irritation.                                                             |
| H332      | Harmful if inhaled.                                                                        |
| H335      | May cause respiratory irritation.                                                          |
| H351      | Suspected of causing cancer.                                                               |
| H372      | Causes damage to organs through prolonged or repeated exposure.                            |
| H411      | Toxic to aquatic life with long lasting effects.                                           |

SDS EU (Oerlikon)

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