

## Melting Powder 52

Version 6.0

DE

SDS Number: 300000001828

Revision Date: 12.06.2021

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

Product identifier : Melting Powder 52  
Product code : 300000001828  
Unique Formula Identifier (UFI) : Y2H1-G0SG-Q00W-AX88

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

Use of the Sub-stance/Mixture : Melting and casting

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

Company : Allgemeine Gold- und Silberscheideanstalt AG  
Kanzlerstrasse 17  
75175 Pforzheim  
Germany

E-mail address of person responsible for the SDS : EHS-Info@agosi.de

#### 1.4 Emergency telephone number

##### Poison Center

Telephone : +49 30 192 40

Hours of operation : 24HRS

##### Supplier

Emergency telephone number : For transport in Europe, Central- and South America, Israel and Africa (Non-Arabic speaking countries): (+32) 3 213 15 70  
For transport in the Middle East (Israel excluded) & Arabic speaking Africa: (+32) 3 213 33 79  
For transport in the USA and Canada: (+1)-877 986 4267  
For transport in Asian and the Pacific (China excluded): (+65) 62 64 78 36  
For transport in China: (+86) 400 88 71 190

Hours of operation : This telephone number is available 24 hours per day, 7 days per week.

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### SECTION 2: Hazards identification


#### 2.1 Classification of the substance or mixture

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

|                                    |  |
|------------------------------------|--|
| Skin irritation, Category 2        | H315: Causes skin irritation.                              |
| Eye irritation, Category 2         | H319: Causes serious eye irritation.                       |
| Carcinogenicity, Category 1B       | H350i: May cause cancer by inhalation.                     |
| Reproductive toxicity, Category 1B | H360FD: May damage fertility. May damage the unborn child. |

#### 2.2 Label elements

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

|                          |   |  |
|--------------------------|---|--|
| Hazard pictograms        | : |    |
| Signal word              | : | Danger   |
| Hazard statements        | : | H315 Causes skin irritation.<br>H319 Causes serious eye irritation.<br>H350i May cause cancer by inhalation.<br>H360FD May damage fertility. May damage the unborn child.  |
| Precautionary statements | : | <b>Prevention:</b><br>P201 Obtain special instructions before use.<br>P264 Wash skin thoroughly after handling.<br>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.<br><b>Response:</b><br>P308 + P313 IF exposed or concerned: Get medical advice/ attention.<br>P337 + P313 If eye irritation persists: Get medical advice/ attention.<br><b>Disposal:</b><br>P501 Dispose of contents/ container to an approved waste disposal plant. |

##### Hazardous components which must be listed on the label:

Sodium borate decahydrate  
Glass, oxide, chemicals

##### Additional Labelling

Restricted to professional users.

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The following percentage of the mixture consists of ingredient(s) with unknown acute dermal toxicity: 15 %

The following percentage of the mixture consists of ingredient(s) with unknown acute inhalation toxicity: 15 %

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 10 %

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

| Chemical name             | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number     | Classification   | Concentration<br>(% w/w) |
|---------------------------|---|--|--------------------------|
| Sodium carbonate          | 497-19-8<br>207-838-8<br>011-005-00-2<br>01-2119485498-19 | Eye Irrit. 2; H319   | <= 55                    |
| Sodium borate decahydrate | 1303-96-4<br><br>005-011-01-1                             | Eye Irrit. 2; H319<br><u>Repr. 1B; H360FD</u><br><br>specific concentration<br>limit<br>Repr. 1B; H360FD<br>>= 8,5 % | <= 15                    |
| potassium carbonate       | 584-08-7<br>209-529-3                                     | Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>STOT SE 3; H335<br>(Respiratory system)                                 | <= 10                    |
| Glass, oxide, chemicals   | 65997-17-3<br>266-046-0                                   | Carc. 1B; H350i  | <= 10                    |

For explanation of abbreviations see section 16.

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and get medical attention immediately.
- In case of skin contact : If on skin, rinse well with water.  
If on clothes, remove clothes.  
If skin irritation persists, call a physician.  
Wash contaminated clothing before reuse.
- In case of eye contact : Remove contact lenses.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Protect unharmed eye.  
Keep eye wide open while rinsing.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

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

- Symptoms : Skin contact may provoke the following symptoms:  
Redness  
Ingestion may provoke the following symptoms:  
Stomach/intestinal disorders  
In case of eye contact  
Excessive lachrymation

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

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet

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

- Hazardous combustion products : Hazardous decomposition products due to incomplete combustion  
Chlorine compounds

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### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Avoid dust formation.  
Avoid breathing dust.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up : Neutralise with acid.

### 6.4 Reference to other sections

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of respirable particles.  
Do not breathe vapours/dust.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Provide appropriate exhaust ventilation at places where dust is formed.

Hygiene measures : General industrial hygiene practice. Wash hands before breaks and at the end of workday.

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

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards. To maintain product quality, do not store in heat or direct sunlight.

Storage class (TRGS 510) : 6.1D, Non-combustible, acute toxic Cat.3 / toxic hazardous materials or hazardous materials causing chronic effects

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Further information on storage stability : Keep in a dry place.  
No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

| Components                | CAS-No.   | Value type (Form of exposure)  | Control parameters             | Basis       |
|---------------------------|-----------|--|--------------------------------|-------------|
| Sodium borate decahydrate | 1303-96-4 | AGW (Inhalable fraction)   | 0,5 mg/m <sup>3</sup> (Borate) | DE TRGS 900 |
|                           |           | Peak-limit: excursion factor (category): 2;(I)   |                                |             |
|                           |           | Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child |                                |             |
|                           |           | TWA (Inhalable particulate matter)   | 2 mg/m <sup>3</sup> (Borate)   | ACGIH       |
|                           |           | STEL (Inhalable particulate matter)  | 6 mg/m <sup>3</sup> (Borate)   | ACGIH       |

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name            | End Use   | Exposure routes | Potential health effects   | Value                  |
|---------------------------|-----------|-----------------|----------------------------|------------------------|
| sodium chloride           | Workers   | Inhalation      | Long-term systemic effects | 2068 mg/m <sup>3</sup> |
|                           | Workers   | Dermal          | Long-term systemic effects | 296 mg/kg bw/day       |
|                           | Consumers | Inhalation      | Long-term systemic effects | 443 mg/m <sup>3</sup>  |
|                           | Consumers | Dermal          | Long-term systemic effects | 127 mg/kg bw/day       |
|                           | Consumers | Oral            | Long-term systemic effects | 127 mg/kg bw/day       |
|                           | Workers   | Inhalation      | Acute systemic effects     | 2068 mg/m <sup>3</sup> |
| Sodium carbonate          | Workers   | Dermal          | Acute systemic effects     | 296 mg/kg bw/day       |
|                           | Workers   | Inhalation      | Long-term local effects    | 10 mg/m <sup>3</sup>   |
| Sodium borate decahydrate | Consumers | Inhalation      | Long-term local effects    | 10 mg/kg bw/day        |
|                           | Workers   | Inhalation      | Long-term systemic effects | 6,7 mg/m <sup>3</sup>  |
| Sodium borate decahydrate | Workers   | Dermal          | Long-term systemic effects | 316,4 mg/kg bw/day     |
|                           | Consumers | Inhalation      | Long-term systemic effects | 3,4 mg/m <sup>3</sup>  |
|                           | Consumers | Dermal          | Long-term systemic effects | 159,6 mg/kg            |

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|                     |           |            | effects                    | bw/day                |
|---------------------|-----------|------------|----------------------------|-----------------------|
|                     | Consumers | Oral       | Long-term systemic effects | 0,79 mg/kg bw/day     |
|                     | Consumers | Oral       | Acute systemic effects     | 0,79 mg/kg bw/day     |
| potassium carbonate | Workers   | Inhalation | Long-term local effects    | 10 mg/m <sup>3</sup>  |
|                     | Workers   | Dermal     | Long-term local effects    | 16 mg/cm <sup>2</sup> |
|                     | Consumers | Inhalation | Long-term local effects    | 10 mg/m <sup>3</sup>  |
|                     | Consumers | Dermal     | Long-term local effects    | 8 mg/cm <sup>2</sup>  |

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name            | Environmental Compartment | Value                        |
|---------------------------|---------------------------|------------------------------|
| sodium chloride           | Fresh water               | 5 mg/l                       |
| Remarks:                  | Assessment Factors        |                              |
|                           | Sewage treatment plant    | 500 mg/l                     |
|                           | Assessment Factors        |                              |
|                           | Soil                      | 4,86 mg/kg dry weight (d.w.) |
| Sodium borate decahydrate | Fresh water               | 2,9 mg/l                     |
|                           | Marine water              | 2,9 mg/l                     |
|                           | Sewage treatment plant    | 10 mg/l                      |
|                           | Soil                      | 5,7 mg/kg dry weight (d.w.)  |

## 8.2 Exposure controls

### Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

### Personal protective equipment

Eye protection : Wear safety glasses with side shields or goggles.

#### Hand protection

Material : Nitrile rubber  
Glove thickness : 0,7 mm  
Directive : Equipment should conform to EN 374

Skin and body protection : Footwear protecting against chemicals

Respiratory protection : Suitable mask with particle filter P3 (European Norm 143)

Filter type : Particulates type (P)

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : powder

Colour : white

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|                           |   |  |
|---------------------------|---|--|
| Odour                     | : | odourless  |
| Melting point/range       | : | > 75 °C  |
| Flammability              | : | The product is not flammable., Not expected to form explosive dust-air mixtures. |
| Flash point               | : | Not applicable   |
| Decomposition temperature | : |  |
| Decomposition temperature | : | 80 °C  |
| pH                        | : | 11,4 (20 °C)<br>Concentration: 100 %   |
| Solubility(ies)           | : |  |
| Water solubility          | : | 231,6 g/l (20 °C)  |
| Density                   | : | 2,17 - 2,53 g/cm <sup>3</sup> (20 °C)  |

### 9.2 Other information

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable at normal ambient temperature and pressure.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.

### 10.4 Conditions to avoid

Conditions to avoid : None known.

### 10.5 Incompatible materials

Materials to avoid : Strong acids

### 10.6 Hazardous decomposition products

No decomposition if used as directed.  
No decomposition if stored and applied as directed.



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### SECTION 11: Toxicological information

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

##### Acute toxicity

###### Product:

Acute inhalation toxicity : Remarks: No data available

###### Components:

###### **Sodium carbonate:**

Acute oral toxicity : LD50 (Rat, male and female): 2.800 mg/kg  
Method: OECD Test Guideline 401  
GLP: no

Acute inhalation toxicity : LC50 (Rat): 2,3 g/l  
Exposure time: 2 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 Dermal (Rabbit): > 5.000 mg/kg

###### **Sodium borate decahydrate:**

Acute oral toxicity : LD50 (Rat, male): > 5.000 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes

Acute inhalation toxicity : Assessment: No data available

Acute dermal toxicity : Assessment: No data available

###### **potassium carbonate:**

Acute oral toxicity : LD50 (Rat, male and female): > 5.000 mg/kg  
Method: OECD Test Guideline 401  
GLP: no

Acute inhalation toxicity : LC50 (Rat, male and female): > 4,96 mg/l  
Exposure time: 4,5 h  
Test atmosphere: dust/mist  
GLP: yes

Acute dermal toxicity : LD50 (Rat, male and female): > 5.000 mg/kg  
GLP: yes

###### **Glass, oxide, chemicals:**

Acute oral toxicity : Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity

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Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal toxicity

### Skin corrosion/irritation

#### Components:

##### potassium carbonate:

Result : Skin irritation

### Serious eye damage/eye irritation

#### Components:

##### Sodium carbonate:

Species : Rabbit  
Result : Eye irritation

##### Sodium borate decahydrate:

Result : Eye irritation

##### potassium carbonate:

Species : Rabbit  
Exposure time : 72 h  
Result : Eye irritation  
GLP : yes

### Respiratory or skin sensitisation

#### Product:

Remarks : No data available

### Germ cell mutagenicity

#### Product:

Genotoxicity in vitro : Remarks: No data available

#### Components:

##### potassium carbonate:

Genotoxicity in vitro : Test system: Bacteria  
Method: OECD Test Guideline 471  
Result: negative

### Carcinogenicity

#### Product:

Remarks : No data available

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### Components:

#### **Glass, oxide, chemicals:**

Carcinogenicity - Assessment : Sufficient evidence of carcinogenicity in inhalation studies with animals

#### **Reproductive toxicity**

#### Product:

Effects on fertility : Remarks: No data available

### Components:

#### **Sodium borate decahydrate:**

Reproductive toxicity - Assessment : Clear evidence of adverse effects on development, based on animal experiments., Clear evidence of adverse effects on sexual function and fertility, based on animal experiments.

#### **STOT - single exposure**

#### Product:

Remarks : No data available

### Components:

#### **potassium carbonate:**

Target Organs : Respiratory Tract  
Assessment : May cause respiratory irritation.

#### **STOT - repeated exposure**

#### Product:

Remarks : No data available

## 11.2 Information on other hazards

### **Endocrine disrupting properties**

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **Further information**

#### Product:

Remarks : No data available

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### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Components:

##### **Sodium carbonate:**

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 300 mg/l  
Exposure time: 96 h  
Remarks: Fresh water

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 265 mg/l  
aquatic invertebrates  
Exposure time: 48 h  
Remarks: Fresh water

Toxicity to algae/aquatic : EC50 (Algae, Navicula sp.): 242 mg/l  
plants  
Exposure time: 96 h  
Remarks: Fresh water

##### **Sodium borate decahydrate:**

Toxicity to daphnia and other : EC50 (Crustaceans): 1.645 mg/l  
aquatic invertebrates  
Exposure time: 48 h  
Remarks: Fresh water

##### **potassium carbonate:**

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 650 - 820 mg/l  
aquatic invertebrates  
Exposure time: 48 h  
Remarks: Fresh water

##### **Glass, oxide, chemicals:**

##### **Ecotoxicology Assessment**

Acute aquatic toxicity : No data available

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

##### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

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### 12.6 Endocrine disrupting properties

**Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

**Product:**

Additional ecological information : No data available

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Dispose of in accordance with the European Directives on waste and hazardous waste.  
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.  
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.  
Dispose of as hazardous waste in compliance with local and national regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of contaminated packaging as if unused product.  
Do not re-use empty containers.

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## SECTION 14: Transport information

### 14.1 UN 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

Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

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### 14.6 Special precautions for user

Not applicable

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

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: Sodium borate decahydrate (Number on list 30)

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Sodium borate decahydrate

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : Not applicable

Water contaminating class (Germany) : WGK 1 slightly hazardous to water

TA Luft List (Germany) : Total dust:  
Not applicable  
Inorganic substances in powdered form:  
Not applicable  
Inorganic substances in vapour or gaseous form:  
Not applicable  
Organic Substances:  
Not applicable  
Carcinogenic substances:  
portion Class 3: 10 %

Mutagenic:  
Not applicable  
Toxic to reproduction:  
others: 15 %

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Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Not applicable

### Other regulations:

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

The product is subject to the supply restrictions of the Ordinance on the Prohibition of Chemicals.

Take note of Law on the protection of mothers at work, in education and in studies (Maternity Protection Act - MuSchG).

### The components of this product are reported in the following inventories:

TSCA : All substances listed as active on the TSCA inventory  
AIIC : On the inventory, or in compliance with the inventory  
DSL : All components of this product are on the Canadian DSL  
ENCS : Not in compliance with the inventory  
ISHL : Not in compliance with the inventory  
KECI : On the inventory, or in compliance with the inventory  
PICCS : On the inventory, or in compliance with the inventory  
IECSC : On the inventory, or in compliance with the inventory  
NZIoC : Not in compliance with the inventory  
CH INV : On the inventory, or in compliance with the inventory  
TCSI : On the inventory, or in compliance with the inventory

## 15.2 Chemical safety assessment

### SECTION 16: Other information

#### Full text of H-Statements

H315 : Causes skin irritation.  
H319 : Causes serious eye irritation.  
H335 : May cause respiratory irritation.  
H350i : May cause cancer by inhalation.  
H360FD : May damage fertility. May damage the unborn child.

#### Full text of other abbreviations

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|                   |   |   |
|-------------------|---|---|
| Carc.             | : | Carcinogenicity   |
| Eye Irrit.        | : | Eye irritation  |
| Repr.             | : | Reproductive toxicity                                   |
| Skin Irrit.       | : | Skin irritation   |
| STOT SE           | : | Specific target organ toxicity - single exposure        |
| ACGIH             | : | USA. ACGIH Threshold Limit Values (TLV)                 |
| DE TRGS 900       | : | Germany. TRGS 900 - Occupational exposure limit values. |
| ACGIH / TWA       | : | 8-hour, time-weighted average                           |
| ACGIH / STEL      | : | Short-term exposure limit                               |
| DE TRGS 900 / AGW | : | Time Weighted Average                                   |

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; AIIIC - 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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

|               |        |
|---------------|--------|
| Skin Irrit. 2 | H315   |
| Eye Irrit. 2  | H319   |
| Carc. 1B      | H350i  |
| Repr. 1B      | H360FD |

#### Classification procedure:

|                    |
|--------------------|
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |

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 guid-



## Melting Powder 52

Version 6.0

DE

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