

# KT·EXCLUSIVE

## WALL FASHION



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## SAFETY DATA SHEET

DATE OF ISSUE: 30.11.2020 R.

VERSION: 1.0/EN

[In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended]

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

#### 1.1 Product identifier

Trade name: **Crystal Power 105 / Crystal Power 110**

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

Relevant identified uses: for wallpapers weight about 350 g/m<sup>2</sup>, fiberglass, textile and photomurals based on paper and non-woven.

Uses advised against: not determined.

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

Entity responsible: **KT Exclusive GmbH**

Address: Wahlerstr. 37c, 40472 Düsseldorf

Telephone number: +492114155840

E-mail address for a competent person responsible for SDS: info@kt-exclusive.com

#### 1.4 Emergency telephone number

112

### Section 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Aquatic Chronic 3 H412**

Harmful to aquatic life with long lasting effects.

## 2.2 Label elements

### Hazard pictograms and signal words

None.

### Hazard statements

H412 Harmful to aquatic life with long lasting effects.

### Precautionary statements

P273 Avoid release to the environment.

P501 Dispose of contents / container to properly labeled waste containers in accordance with national regulations.

### Additional information:

EUH208 Contains: 1,2-benzisothiazol-3(2H)-one; reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

## 2.3 Other hazards

Product does not contain ingredients, which meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

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#### Section 3: Composition/information on ingredients

##### 3.1 Substances

- water - 85.76%
- modified starch 1 - 2%
- modified starch 2 - 5%
- polymer dispersion 1 - 3.5%
- polymer dispersion 2 - 3.5%
- biocide - 0.24%

##### 3.2 Mixtures

|  |  |            |
|--|--|------------|
| CAS number: 2634-33-5<br>EC number: 220-120-9<br>Index number: 613-088-00-6<br>Registration number:<br>01-2120761540-60-XXXX | <u>1,2-benzisothiazol-3(2H)-one</u><br>Acute Tox. 4 H302, Skin Irrit. 2 H315, Skin Sens. 1 H317, Eye Dam. 1 H318,<br>Acute Tox. 2 H330, Aquatic Acute 1 H400 (M=1), Aquatic Chronic 2 H411<br><u>Specific limit concentration</u><br>Skin Sens. 1 H317: C ≥ 0,05 %   | < 0,03 %   |
| CAS number: 1336-21-6<br>EC number: 215-647-6<br>Index number: 007-001-01-2<br>Registration number:<br>01-2119488876-14-XXXX | <u>ammonia</u> <sup>1)</sup><br>Skin Corr. 1B H314, Aquatic Acute 1 H400 (M=1)<br><u>Specific limit concentration</u><br>STOT SE 3 H335: C ≥ 5 %   | < 0,02 %   |
| CAS number: 13463-41-7<br>EC number: 236-671-3<br>Index number: —<br>Registration number: —                                  | <u>pyrithione zinc</u><br>Acute Tox. 3 H301, Eye Dam. 1 H318, Acute Tox. 2 H330, Aquatic Acute 1<br>H400 (M=100), Aquatic Chronic 1 H410 (M=10)  | ≤ 0,024 %  |
| CAS number: 55965-84-9<br>EC number: —<br>Index number: 613-167-00-5<br>Registration number: —                               | <u>reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)</u><br>Acute Tox. 3 H301, Acute Tox. 2 H310, Skin Corr. 1C H314, Skin Sens. 1A<br>H317, Eye Dam. 1 H318, Acute Tox. 2 H330, Aquatic Acute 1 H400 (M=100),<br>Aquatic Chronic 1 H410 (M=100), EUH071 <sup>2)</sup><br><u>Specific limit concentration</u><br>Eye Dam. 1 C: ≥ 0,6 %<br>Eye Irrit. 2 H319: 0,06 % ≤ C < 0,6 %<br>Skin Corr. 1C: C ≥ 0,6 %<br>Skin Irrit. 2 H315: 0,06 % ≤ C < 0,6 %<br>Skin Sens. 1A: C ≥ 0,0015 % | < 0,0015 % |

<sup>1)</sup> Substance with a specific value at the Community level of the permissible concentration in the work environment.

<sup>2)</sup> Additional code specifying the type of threat.

Full text of each relevant H phrase is given in section 16 of SDS.

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#### Section 4: Firstaid measures

##### 4.1 Description of first aid measures

Skin contact: take off contaminated clothes. In case of the adhesion of skin surfaces, they must not be separated with force. After soaking the skin in warm, soapy water, gently pry the glued space open with a blunt instrument (e.g. a spoon). Consult a doctor if disturbing symptoms occur.

Eye contact: in case of eyelid adhesion, apply a cotton swab dampened with warm water and separate the eyelids. Consult a doctor if disturbing symptoms occur.

Ingestion: do not induce vomiting. Consult a doctor, if disturbing symptoms appear, show the packaging or label.

Inhalation: remove to fresh air, keep warm and calm. Consult a doctor, if disturbing symptoms appear.

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

Skin contact: skin adhesion, possible redness, itching, allergic reactions in particularly sensitive people.

Eye contact: possible redness, tearing, eyelid adhesion.

Ingestion: swallowing large amounts of product may cause abdominal pain, nausea, vomiting, diarrhea, lip adhesion.

Inhalation: adverse effects are not expected by this way of exposure when the product is used correctly.

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

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured.  
Symptomatic treatment.

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#### Section 5: Firefighting measures

##### 5.1 Extinguishing media

Suitable extinguishing media: carbon dioxide, foam, extinguishing powder, water spray. Adapt the extinguishing media to surrounding materials.

Unsuitable extinguishing media: water jet – risk of the propagation of the flame.

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

During the fire, the product may produce harmful gases containing carbon oxides, nitrogen oxides and other unidentified products of thermal decomposition. Do not inhale combustion products, they can be dangerous for human health.

##### 5.3 Advice for firefighters

Evacuate unauthorized persons from the area of failure. Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals. Do not let extinguishing water reach drainage system, ground and surface waters. Collect used extinguishing media.

#### Section 6: Accidental release measures

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

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. Ensure that effects of the breakdown are removed only by qualified personnel. In case of large spills, isolate the exposed area. Avoid contact with skin and eyes.

##### 6.2 Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

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

Stop the leakage if it is safe (seal the damaged packaging and place in a replacement container). Remove mechanically.

##### 6.4 Reference to other sections

Appropriate conduct with waste product – see section 13. Personal protective equipment – see section 8.

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#### Section 7: Handling and storage

##### 7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Do not eat, drink or smoke in places where the product is transferred, processed and stored. Avoid eyes and skin contamination. Before breaks and after work wash face and hands. Ensure adequate ventilation. Keep the unused containers tightly closed.

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

Keep only in original, tightly closed containers in a cool, dry and well ventilated place. Keep away from food, beverages or feed for animals. Protect from direct exposure to sunlight, sources of ignition and naked flame. Do not store with incompatible materials – subsection 10.5. Protect from water and moisture. Protect from freezing.

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

Applications submitted in accordance with section 1.2.

#### Section 8: Exposure controls/ personal protection

##### 8.1 Control parameters

| Specification                     | TWA 8 hour        |     | STEL 15 min       |     |
|-----------------------------------|-------------------|-----|-------------------|-----|
|                                   | mg/m <sup>3</sup> | ppm | mg/m <sup>3</sup> | ppm |
| anhydrous ammonia [CAS 7664-41-7] | 14                | 20  | 36                | 50  |

Legal Basis: Commission Directive 2006/15/EC, 2000/39/EC, 2009/161/EC, 2017/164/EU, 2019/1831/EU.

##### Recommended control procedures

Procedures concerning the control over the dangerous components concentrations in the air and control over the air quality in the workplace – if they are available and justified for the position – in accordance with the European Standards, with the conditions within the exposure place and a proper test methodology adapted to the working conditions.

## 8.2 Exposure controls

Use the product in accordance with good occupational hygiene and safety practices. Do not eat, drink and smoke when using the product. Avoid eyes and skin contact. Ensure good general and/or local ventilation.

### Hand protection

Use protective gloves, resistant to the product. Material for the gloves select individually at the workplace.

The material that the gloves are made of must be impenetrable and resistant to the product's effects. The selection of material must be performed with consideration of breakthrough time, penetration speed and degradation. Moreover, the selection of proper gloves depends not only on the material, but also on other quality features and changes depending on the manufacturer. The producer should provide detailed information regarding the exact breakthrough time. This information should be followed.

### Body protection

Wear clothing to protect against dirt.

### Eye protection

If there is a risk of eye contamination, use tight protective goggles.

### Respiratory protection

Under normal conditions, it is not required.

Applied personal protective equipment must comply with the requirements of the Regulation 2016/425/EU. The employer is obliged to provide protective equipment relevant to performed activities and in accordance with all quality requirements, including its maintenance and cleaning.

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### Environmental exposure controls

Do not allow to enter large amounts of product to reach ground water, sewage, waste water or soil. Possible emissions from the ventilation systems and processing equipment should be controlled in order to determine their compatibility with environmental protection regulations.

### Section 9: Physical and chemical properties

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

|   |  |
|---|--|
| physical state/ form:                         | liquid/ paste                            |
| colour:                                       | creamy                                   |
| odour:  | characteristic, acetate                  |
| odour threshold:                              | not determined                           |
| pH (23±2 °C):                                 | 6,5-8,0                                  |
| melting point/freezing point:                 | not determined                           |
| initial boiling point and boiling range:      | not determined                           |
| flash point:                                  | not determined                           |
| evaporation rate:                             | not determined                           |
| flammability (solid, gas):                    | not applicable                           |
| upper/lower flammability or explosive limits: | not determined                           |
| vapour pressure:                              | not determined                           |
| vapour density:                               | not determined                           |
| density:                                      | 0,91-1,11 g/cm <sup>3</sup>              |
| solubility(ies):                              | soluble in water                         |
| partition coefficient: n-octanol/water:       | not determined                           |
| auto-ignition temperature:                    | not determined                           |
| decomposition temperature:                    | not determined                           |
| explosive properties:                         | not display                              |
| oxidising properties:                         | not display                              |
| kinematic viscosity (23±2 °C):                | 45000–75000 mPas (Brookfield, spindle 6) |

#### 9.2 Other information

No additional test results.



|   |
|---|
| <b>Section 10: Stability and reactivity</b> |
|---|

**10.1 Reactivity**

No information about dangerous reactivity. See also subsections 10.3-10.5.

**10.2 Chemical stability**

The product is stable under normal conditions of storage and use.

**10.3 Possibility of hazardous reactions**

Dangerous reactions are not known.

**10.4 Conditions to avoid**

Avoid direct sunlight, sources of heat and fire. Protect from frost.

**10.5 Incompatible materials**

Flammable organic materials and reducing substances.

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#### 10.6 Hazardous decomposition products

Hazardous decomposition products are not known.

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| <b>Section 11: Toxicological information</b> |
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#### 11.1 Information on toxicological effects

##### Toxicity of the components

ammonia [CAS 7664-41-7]

LD<sub>50</sub> (oral, rat)                      350 mg/kg

##### Toxicity of the mixture

Acute toxicity of the mixture (ATEmix) was calculated taking into account the testing of components classified after acute toxicity and the corresponding conversion factor included in Table 3.1.2. of Annex I to the CLP Regulation, as amended.

##### Acute toxicity

ATEmix (oral)                              > 2 000 mg/kg

ATEmix (skin)                              > 2 000 mg/kg

ATEmix (vapour inhalation)              > 20 mg/l

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

Based on available data, the classification criteria are not met. However, the product contains a components which may cause allergic skin reaction in particularly sensitive people.

##### 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.

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### Section 12: Ecological information

#### 12.1 Toxicity

##### Toxicity of the components

ammonia [CAS 7664-41-7]

Acute toxicity for fish LC<sub>50</sub> 0,44 mg/l/ 96 h/ *Oncorhynchus mykiss*

Acute toxicity for daphnia LC<sub>50</sub> 101 mg/l/ 48h

1,2-benzisothiazol-3(2H)-one [CAS 2634-33-5]

Acute toxicity for fish LC<sub>50</sub> 2,15 mg/l/ 96 h/ *Oncorhynchus mykiss* [OECD 203]

Acute toxicity for daphnia EC<sub>50</sub> 2,9 mg/l/ 48h/ *Daphnia magna* [OECD 202]

Acute toxicity for algae NOEC 0,0403 mg/l/ 72h/ *Pseudokirchneriella subcapitata* [OECD 201]

##### Toxicity of the mixture

Product is harmful to aquatic life with long lasting effects.

#### 12.2 Persistence and degradability

No data available.

#### 12.3 Bioaccumulative potential

No data available.

#### 12.4 Mobility in soil

Mobility of components of the mixture in soil depends on the hydrophilic and hydrophobic properties and biotic and abiotic conditions of soil, including its structure, climatic conditions, seasons and soil organisms.

#### 12.5 Results of PBT and vPvB assessment

Product does not contain ingredients, which meet criteria for PBT or vPvB.

#### 12.6 Other adverse effects

Product is not classified as hazardous to the ozone layer. Consider other harmful effects of individual components of the mixture on the environment (eg, endocrine disrupting potential, global warming potential).

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| <b>Section 13: Disposal considerations</b> |
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**13.1 Waste treatment methods**

Disposal methods for the product: disposal in accordance with the local legislation. Do not empty into drains. Store the mixture in original packaging. Waste code should be given in the place of waste formation.

Disposal methods for used packing: reuse /recycle /eliminate empty containers in accordance with the local legislation. Only completely emptied packaging can be recycled.

Legal basis: Directive 2008/98/EC as amended, 94/62/EC as amended.

|  |
|--|
| <b>Section 14: Transport information</b> |
|--|

**14.1 UN number**

Product is not classified as hazardous during transport.



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**14.2 UN proper shipping name**

Not applicable.

**14.3 Transport hazard class(es)**

Not applicable.

**14.4 Packing group**

Not applicable.

**14.5 Environmental hazards**

Not applicable.

**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.

## Section 15: Regulatory information

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

**Regulation (EC) No 1907/2006** of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

**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 as amended.

**Commission Regulation (EU) No 2015/830** of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

**Directive 2008/98/EC** of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.

**European Parliament and Council Directive 94/62/EC** of 20 December 1994 on packaging and packaging waste as amended.

**Commission Directive 2000/39/EC** of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Commission Directive 2006/15/EC** of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

**Commission Directive 2009/161/EU** of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

**Commission Directive 2017/164/EU** of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.

**Regulation (EU) No 2016/425** of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

**Commission Directive 2019/1831/EU** of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for mixtures in accordance with REACH Regulation.

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#### Section 16: Other information

|        |   |
|--------|---|
| H301   | Toxic if swallowed.                                   |
| H302   | Harmful if swallowed.                                 |
| H310   | Fatal in contact with skin.                           |
| H314   | Causes severe skin burns and eye damage.              |
| H315   | Causes skin irritation.                               |
| H317   | May cause an allergic skin reaction.                  |
| H318   | Causes serious eye damage.                            |
| H319   | Causes serious eye irritation.                        |
| H330   | Fatal if inhaled.                                     |
| H335   | May cause respiratory irritation.                     |
| H400   | Very toxic to aquatic life.                           |
| H410   | Very toxic to aquatic life with long lasting effects. |
| H411   | Toxic to aquatic life with long lasting effects.      |
| EUH071 | Corrosive to the respiratory tract.                   |

#### Clarification of aberrations and acronyms

|                      |   |
|----------------------|---|
| Acute Tox. 2, 3, 4   | Acute Toxicity category 2, 3, 4                                 |
| Aquatic Chronic 1, 2 | Toxicity for aquatic organisms – chronic toxicity category 1, 2 |
| Aquatic Acute 1      | Toxicity for aquatic organisms – acute toxicity category 1      |
| Eye Dam. 1           | Serious eye damage category 1                                   |
| Skin Corr. 1B,1C     | Skin Corrosion category 1B,1C                                   |
| Skin Irrit. 2        | Skin irritation category 2                                      |
| Skin Sens. 1, 1A     | Skin sensitization category 1, 1A                               |
| Eye Irrit. 2         | Serious eye irritation category 2                               |
| STOT SE 3            | Specific target organ toxicity — single exposure category 3     |
| PBT                  | Persistent, Bioaccumulative and Toxic substance                 |
| vPvB                 | very Persistent, very Bioaccumulative substance                 |
| DNEL                 | Derived No-Effect Level   |
| PNEC                 | Predicted No-Effect Concentration                               |

#### Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training.

#### Key literature references and data sources

This sheet was prepared on the basis of on manufacturer's data, literature data, online databases, our knowledge and experience, taking into account the current legislation.

#### Procedures used to classify the mixture

Classification was based on physico-chemical data and data on hazardous substances calculation method under the guidance of Regulation 1272/2008/EC (CLP) as amended.

#### Other data

|                            |                          |
|----------------------------|--------------------------|
| Date of issue:             | 30.11.2020               |
| Version:                   | 1.0/EN                   |
| Safety Data Sheet made by: | <b>KT Exclusive GmbH</b> |

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The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.