# CLASSIC CRACKLES

## *SAFETY DATA SHEET (SDS)*

**Version:** 02
**Date of Issue:** November 10, 2026

**According to:** Regulation (EC) No. 1272/2008
Regulation (EC) No. 1907/2006
Regulation UK SI 2019/758
Regulation UK SI 2020/1577

**This SDS was developed in accordance with regulations applicable to handling materials in an industrial / workplace setting. The information presented in this document may not be relevant to consumer use. Safety information pertaining to consumer use is provided on the product label and Section 16 of this SDS.**

## Section 1 – Identification of the Substance/Mixture and of the Company/Undertaking

### 1.1 Product identifier

| | |
|---|---|
| Product Name: | CLASSIC CRACKLES |
| Product Colors: | CHINA SEA (CC108) |
| Product sizes: | 118 ml l (4 oz), 472 ml (16 oz) |
| Other Means of Identification: | |
| Unique Formula Identifier: | See product label |
| Other: | None known |
| Product Description: | Colored liquid glaze formulations intended to be applied using a brush and then placed in a kiln for glaze firing. |

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

Relevant identified use(s): The product is intended for general (adults and students older than those in the 6th grade) arts and crafts purposes. The product is intended for small batch use.

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

Manufacturer/Supplier: Coloramics, LLC, DBA Mayco Colors
4077 Weaver Court South
Hilliard, OH 43026
Business Phone: +1 614-675-2020
Email: info@maycocolors.com

EU Authorised Rep: AUTHORISED REP COMPLIANCE LTD
Ground Floor, 71 Lower Baggot Street
Dublin D02 P593 Ireland

### 1.4 Emergency telephone number

Emergency Telephone: Contact the local poison control center.
Transportation Emergencies: CHEMTREC 1-703-527-3887

## Section 2 – Hazard(s) Identification

### 2.1. Classification of the substance or mixture

**According to: Regulation (EC) No 1272/2008 [CLP]; Regulation (EC) No 1272/2008 [CLP] as amended by GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567**

| | Health | Environment | Physical |
|---|---|---|---|
| **Classification** | Not classified | Acute aquatic toxicity (Category 1) (H400)<br>Chronic aquatic toxicity (Category 2) (H411) | Not classified |
| **SCL and/or M-factor** | Not applicable | Not applicable | Not applicable |
| **Classification Procedure** | Weight of evidence | Weight of evidence | Weight of evidence |

### 2.2. Label elements

**Label Pictogram:**



**Signal Word**: Warning

**Hazard statements & Precautions:**

| | |
|---|---|
| **Acute aquatic toxicity (Category 1) (H400)** | **Very toxic to aquatic life with long lasting effects.** |
| **Chronic aquatic toxicity (Category 2) (H411)** | **P273:** Avoid release to the environment.<br>**P501:** Dispose of contents/container in accordance with local, regional, national, and/or international regulation. |

**Supplemental Hazard Information:**

- EUH208: Contains 1,2-benzisothiazolin-3-one (BIT) (CAS No. 2634-33-5). May produce an allergic reaction.

### 2.3. Other hazards

- This product is not expected to be endocrine disrupting.
- This product is not expected to meet the criteria for vPvB or PBT in accordance with Regulation (EC) No. 1907/2006, Annex XIII.
- Substances when carried in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids are not subject to any other provisions of ADR provided the packaging meets the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. Should the single or inner packaging condition or provisions not be met, transportation restrictions will need to be revisited.
- No other hazards have been identified for this product.

## Section 3 – Composition / Information on Ingredients

### 3.1 Substances

The product is a mixture and not a substance.

### 3.2 Mixture

| Chemical Name | CAS No. | EC No. | % Concentration by weight (w/w) | GHS Hazards [a] |
|---|---|---|---|---|
| Trisodium hexafluoroaluminate | 13775-53-6 | 237-410-6 | <= 5.0% | H332: Acute inhalation toxicity (Category 4);<br>H372: Specific target organ toxicity (repeated exposure, Category 1, lungs);<br>H411: Chronic aquatic toxicity (Category 2) |
| Crystalline silica | 14808-60-7 | 238-878-4 | <= 2.0% | H350: Carcinogenicity (Category 1A) (inhalation);<br>H372: Specific target organ toxicity (repeated exposure, Category 1 - lungs) |
| Cupric oxide | 1317-38-0 | 215-269-1 | <= 0.9% | H400: Acute aquatic toxicity (Category 1; M=100);<br>H410: Chronic aquatic toxicity (Category 1; M=10) |
| 1,2-Benzisothiazolin-3-one | 2634-33-5 | 220-120-9 | <= 0.01% | H330: Acute Inhalation Toxicity (Category 2)<br>H302: Acute Oral Toxicity (Category 4)<br>H315: Skin Irritation (Category 2)<br>H318: Eye Damage (Category 1)<br>H317: Skin Sensitization (Category 1A; C ≥ 0.036%)<br>H400: Aquatic Acute Toxicity (Category 1)<br>H410: Aquatic Chronic Toxicity (Category 1) |
| Zinc pyrithione | 13463-41-7 | 236-671-3 | <= 0.01% | H360D: Reproductive toxicity (Category 1B) (May damage the unborn child);<br>H330: Acute inhalation toxicity (Category 2);<br>H301: Acute oral toxicity (Category 3);<br>H318: Eye damage (Category 1);<br>H372: Specific target organ toxicity (repeated exposure, Category 1);<br>H400: Acute aquatic toxicity (Category 1; M=1000);<br>H410: Chronic aquatic toxicity (Category 1; M=10) |

[a] GHS classifications are based on classifications in the CLP as well as available toxicology data regarding the individual ingredients.

The other ingredients in the product are either considered non-hazardous or are below their respective GHS cut-off values/concentration limits in the final product and were therefore not disclosed in the SDS.

Copper oxide may cause gastrointestinal irritation if swallowed. Gastrointestinal irritation is not considered a GHS Hazard.

The product may contain crystalline silica (CAS No. 14808-60-7) which may be hazardous when inhaled. Given the nature and physical form of the product (*i.e.,* liquid glaze), airborne respirable particles would not likely be released from the product and therefore the hazard is not relevant to the product.

Assessment of this product was based on the assumption that the glaze will not be sanded after it has been fired in the kiln.

| | Specific Concentration Limit | Multiplying-Factor | Acute Toxicity Estimate |
|---|---|---|---|
| **CLASSIC CRACKLES** | N/A | N/A | >2000 mg/kg (oral/dermal)<br>>20 mg/L (Inhalation) |

## Section 4 – First Aid Measures

### 4.1 Description of first aid measures

**Eye contact:** No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and immediately flush eyes with water. Seek medical attention if in doubt.

**Skin contact:** No specific first aid measures are required. If irritation occurs, wash with plenty of water and soap. Take off contaminated clothing. If skin irritation persists: Seek medical attention if in doubt.

**Inhalation:** No specific first aid measures are required. Inhalation route of exposure is not anticipated with intended use. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Seek medical attention if in doubt.

**Ingestion:** IF SWALLOWED: Get emergency medical help immediately. Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

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

- Refer to **Section 11 - Toxicological Information.**

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

- Not required

## Section 5 – Fire Fighting Measures

### 5.1 Extinguishing media

**Suitable Extinguishing Media:** Use extinguishing media suitable for surrounding area if material is involved in a fire (e.g., water fog, water spray, foam, dry chemical or carbon dioxide).

**Unsuitable Extinguishing Media:** None known

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

**Hazardous combustion products:**

- Irritating vapors or fumes may form if product is involved in fire:
- See also **Section 10 - Stability and Reactivity**.

### 5.3 Advice for firefighters

- Wear a self-contained breathing apparatus to protect against potentially irritating vapors or fumes.

## Section 6 – Accidental Release Measures

### 6.1 Personal precautions, protective equipment (PPE) and emergency procedures

**Personal Precautions:** Do not breathe mist/vapor/spray. Ventilate area if spilled in confined space or other poorly ventilated areas. Observe PPE advice in **Section 8 – Exposure Controls/Personal Protection**.

**Emergency Procedures:** No specific precautions required. Keep unauthorized personnel away.

### 6.2 Environmental precautions

- Prevent entry and contact with soil, drains, sewers, and waterways. Collect spillage. Inform relevant local/regional/national/international authorities. Prevent further leakage or spillage if it is safe to do so.

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

**Containment/Clean-up Measures:** Contain spill if safe to do so. Collect recoverable product and place in a designated container for recycle and/or disposal. Clean up dusts and small spills with a damp cloth or wet mop. Ventilate contaminated area thoroughly. Dispose of contents/container in accordance with local/regional/national/international regulations.

### 6.4 Reference to other sections

- Refer to **Section 8 - Exposure Controls/Personal Protection** and **Section 13 – Disposal Considerations**.

## Section 7– Handling and Storage

### 7.1 Precautions for safe handling

- Do not breathe mist/vapor/spray.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Avoid generating dust.
- Wash contaminated clothing before reuse.
- Employees should be trained in the safe use and handling of chemical materials.
- Refer to **Section 8 – Exposure Controls/Personal Protection**

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

- Keep container tightly closed to avoid spills.
- Keep in a cool dry place.

### 7.3 Specific end use(s)

- Refer to **Section 1.2 – Relevant identified uses**.

## Section 8– Exposure Controls / Personal Protection

### 8.1 Control Parameters:

**Occupational exposure limits:** Only vapors were considered to be foreseeable under conditions of normal use. Airborne particles, such as dust, are not foreseeable under conditions of normal use.

**Kaolin (CAS No. 1332-58-7)**

| | |
|---|---|
| European Union | N/A |
| United Kingdom | TWA: 2 mg/m³ (respirable fraction) |

**Crystalline silica (CAS No. 14808-60-7) (listed as silica, crystalline, respirable)**

| | |
|---|---|
| European Union | TWA: 0.1 mg/m³ |
| United Kingdom | TWA: 0.1 mg/m³ (respirable fraction) |

**Titanium dioxide (CAS No. 13463-67-7)**

| | |
|---|---|
| European Union | N/A |
| United Kingdom | TWA: 10 mg/m³ (inhalable aerosol) |

**Cupric oxide (CAS No. 1317-38-0) (listed as copper, dusts and mists)**

| | |
|---|---|
| European Union | N/A |
| United Kingdom | TWA: 1 mg/m³<br>STEL: 2 mg/m³ (15 minutes average value) |

### 8.2 Exposure Controls:

**Appropriate engineering controls**

- No special requirements under ordinary conditions of use and with adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required.

### 8.3 Personal Protective Equipment

**8.2.1 Appropriate engineering controls**

- No special requirements under ordinary conditions of use and with adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required.

**8.2.2 Personal Protective Equipment**

Note: For consumer use, follow product label directions and warnings when using this product. For industrial use, consider the concentration and amount of product at the workplace when selecting PPE. Use protective equipment as required.

| | |
|---|---|
| **Respiratory:** | Under normal conditions of use, respirator is not usually required. Use appropriate respiratory protection if exposure to dust particles, mist or vapors is likely. Do not spray apply without personal protective equipment. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator. |
| **Eyes/Face:** | If contact is likely, safety glasses with side shields are recommended. |
| **Hands:** | Use good industrial hygiene practices to avoid skin contact. |
| **Body/Skin:** | Do not wear rings, watches or similar apparel that could entrap the material. |
| **Thermal Hazards:** | None known. |
| **Environmental Exposure Controls:** | Not available. |
| **Hygiene measures**: | Observe good industrial hygiene practices. Avoid contact with skin. When using the product do not eat, drink or smoke. Keep work area neat and container tightly closed when not in use. Wash hands after handling / before eating, drinking or smoking. |

**8.2.3 Environmental exposure control**

- Avoid release to the environment. Refer to Section **6.2 - Environmental precautions** and **Section 13** - **Disposal Considerations** for further information.

## Section 9 – Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Note: The data below are typical values and do not constitute a specification.

| | | | |
|---|---|---|---|
| **Appearance:**<br>**Physical state:**<br>**Color:**<br>**Odor:** | <br>Liquid<br>**See section 1.1**<br>None | **Partition Coefficient n-octanol/water:**<br>**Auto-ignition temperature:** | <br>Not available<br>Not available |
| **Melting/freezing point:** | 32°F | **pH (as supplied):** | 8.0 – 9.0 |
| **Boiling point and boiling range:** | 212°F | **Solubility:** | Not available |
| **Flammability:** | Non applicable | **Kinematic viscosity:** | Not available |
| **Upper/lower explosive limits:** | Not available | **Vapour pressure:** | Not available |
| **Flash point:** | Not applicable | **Density:** | Not available |
| **Auto-ignition temperature:** | Not available | **Relative vapour density** | Not available |
| **Decomposition temperature:** | Not available | **Particle characteristics:** | Not available |

### 9.2.1 Information with Regard to Physical Hazard Classes

| | |
|---|---|
| **Explosives** | Not available |
| **Flammable gases** | Not available |
| **Aerosols** | Not available |
| **Oxidising gases** | Not available |
| **Gases under pressure** | Not available |
| **Flammable liquids** | Not available |
| **Flammable solids** | Not available |
| **Self-reactive substances and mixtures** | Not available |
| **Pyrophoric liquids** | Not available |
| **Pyrophoric solids** | Not available |

| | |
|---|---|
| **Self-heating substances and mixtures** | Not available |
| **Substances and mixtures, which emit flammable gases in contact with water** | Not available |
| **Oxidising liquids** | Not available |
| **Oxidizing solids** | Not available |
| **Organic peroxides** | Not available |
| **Corrosive to metals** | Not available |
| **Desensitised explosives** | Not available |

### 9.2.2 Other Safety Characteristics

| | |
|---|---|
| **Mechanical sensitivity** | Not available |
| **Self-accelerating polymerisation temperature** | Not available |
| **Formation of explosible dust/air mixtures** | Not available |
| **Acid/alkaline reserve; (e) evaporation rate** | Not available |
| **Miscibility** | Not available |
| **Conductivity** | Not available |
| **Corrosiveness** | Not available |
| **Gas group** | Not available |
| **Redox potential** | Not available |
| **Radical formation potential** | Not available |
| **Photocatalytic properties** | Not available |

## Section 10 – Stability and Reactivity

### 10.1 Reactivity

- This material is not considered to be reactive under normal handling and storage conditions.

### 10.2 Chemical stability

- This material is considered stable under normal handling and storage conditions.

### 10.3 Possibility of hazardous reactions

- Not expected to occur under normal handling and storage conditions.

### 10.4 Conditions to avoid

- None known

### 10.5 Incompatible materials

- Strong acids
- Strong bases
- Strong reducing agents
- Strong oxidizing agents

### 10.6 Hazardous decomposition products

- Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion. Irritating and toxic substances may be emitted upon combustion. Irritating vapors or fumes may form if product is involved in fire.

## Section 11 – Toxicological Information

### 11.1. Information on hazard classes:

**Likely routes of exposure:** Skin/eye contact, inhalation of vapors.
**Potential signs and symptoms:**

| | |
|---|---|
| **Acute oral toxicity:** | Zinc pyrithione (CAS No. 13463-41-7) has been classified for acute oral toxicity (Category 3), and 1,2 benzisothiazolin-3-one (CAS No. 2634-33-5) has been classified for acute oral toxicity (Category 4); however, the product is practically non-toxic based on available animal and human use data. The oral ATE for the whole product is >2000 mg/kg. |
| **Acute dermal toxicity:** | The product is practically non-toxic based on available animal and human use data. The dermal ATE for the whole product is >2000 mg/kg. |
| **Acute inhalation toxicity:** | Trisodium hexafluoroaluminate (CAS No. 13775-53-6) has been classified for acute inhalation toxicity (Category 4), and zinc pyrithione (CAS No. 13463-41-7) and 1,2-benzisothiazolin-3-one (CAS No. 2634-33-5) have been classified for acute inhalation toxicity (Category 2); however, the product is practically non-toxic based on available animal, human use data, and the nature/physical form of the product (*i.e.*, liquid glaze). The inhalation ATE for the whole product is >20 mg/L (vapors). |
| **Skin corrosion/irritation:** | 1,2-Benzisothiazolin-3-one (CAS No. 2634-33-5) has been classified for skin irritation (Category 2). Product classification is not warranted for skin effects based on the concentration of 1,2-benzisothiazolin-3-one in the product. T The other ingredients >1% in the product are not skin irritants based on human and/or animal studies. |
| **Serious eye damage/irritation:** | Zinc pyrithione (CAS No. 13463-41-7) and 1,2-benzisothiazolin-3-one (CAS No. 2634-33-5) have been classified for eye damage (Category 1). Product classification is not warranted for eye effects based on the concentration of the hazardous ingredients in the product and a review of available data. The other ingredients >1% in the product are not eye irritants based on human and/or animal studies. |
| **Respiratory or skin sensitization:** | 1,2-Benzisothiazolin-3-one (CAS No. 2634-33-5) has been classified for skin sensitization (Category 1; C ≥ 0.036%). Product classification is not warranted for skin sensitization based on the concentration of 1,2-benzisothiazolin-3-one in the product. The other ingredients >0.1% in the product are not sensitizing to the skin or respiratory tract based on human and/or animal studies. |
| **Mutagenicity:** | The ingredients >0.1% in the product are not mutagenic based on human and/or animal studies. |
| **Carcinogenicity:** | Crystalline silica (airborne, unbound particles of respirable size) (CAS No. 14808-60-7) has been classified for carcinogenicity (Category 1). Crystalline silica is also listed as a carcinogen by IARC (Group 1), NTP, and ACGIH. Product classification is not warranted for carcinogenicity based on a review of available data and the nature/physical form of the product (*i.e.*, liquid glaze). It was assumed that the glaze will not be sanded after it has been fired in the kiln. The other ingredients >0.1% in the product are not carcinogenic based on human and/or animal studies and with respect to the IARC, NTP, and ACGIH. |

| | |
|---|---|
| **Reproductive Toxicity:** | Zinc pyrithione (CAS No. 13463-41-7) has been classified for reproductive toxicity (Category 1B; may damage fertility or the unborn child). Product classification is not warranted for reproductive toxicity given the concentration of zinc pyrithione in the product. The other ingredients >0.1% in the product are not reproductive toxicants based on human and/or animal studies. |
| **Specific target organ toxicity (single exposure):** | Cupric oxide (CAS No. 1317-38-0) has been classified for specific target organ toxicity (single exposure, Category 2 - may cause irritation to the gastrointestinal tract through oral exposure). Product classification is warranted for gastrointestinal irritation given the concentration of cupric oxide in the product and a review of available data. The other ingredients >1% in the product are not single exposure specific target organ toxicants based on human and/or animal studies. |
| **Specific target organ toxicity (repeated exposure):** | Crystalline silica (CAS No. 14808-60-7) and trisodium hexafluoroaluminate (CAS No. 13775-53-6) have been classified for specific target organ toxicity (repeated exposure, category 1 - causes damage to lungs through prolonged or repeated exposure *via* inhalation). Product classification is not warranted for specific target organ toxicity given the concentration of crystalline silica and trisodium hexafluoroaluminate in the product and the nature/physical form of the product (*i.e.*, liquid glaze). Zinc pyrithione (CAS No. 13463 41-7) has been classified for specific target organ toxicity (repeated exposure, Category 1; causes damage to organs through prolonged or repeated exposure). Product classification is not warranted for specific target organ toxicity given the concentration of zinc pyrithione in the product. The other ingredients >1% in the product are not repeated exposure specific target organ toxicants based on human and/or animal studies. |
| **Aspiration hazard:** | The ingredients >1% in the product are not aspiration hazards based on human and/or animal studies. |

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

- This product is not expected to be endocrine disrupting,

#### 11.2.2 Information on other hazards

- No other hazards to note.

**References:**

ECHA (European Chemicals Agency). 2026. REACH Registered Substances Database. https://chem.echa.europa.eu/
IARC (International Agency for Research on Cancer). 2025. Agents Classified by the IARC Monographs, Volumes 1–129. https://monographs.iarc.who.int/list-of-classifications/
NTP (National Toxicology Program). 2021. Report on Carcinogens, Fifteenth Edition.; Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service. https://ntp.niehs.nih.gov/go/roc15

## Section 12 – Ecological Information

### 12.1 Toxicity

- Product is classified for acute and chronic aquatic toxicity (Category 1).

| Chemical Name | CAS No. | Species | Value |
|---|---|---|---|
| Cupric oxide [a] | 1317-38-0 | *Oncorhynchus mykiss, Pimephales promelas, Lepomis macrochirus, Brachydanio rerioand, Cyprinus carpio* | L(E)C50 = 34.4 µg Cu/L |
| | | *Oncorhynchus mykiss, Pimephales promelas*and, *Salvelinus fontanilis* | NOEC= 14.9 µg Cu/L |
| Trisodium hexafluoroaluminate | 13775-53-6 | *Danio rerio* | $LC_{50}$ (96h): 99 mg/L |
| | | *Daphnia magna* | $EC_{50}$ (48h): 156 mg/L |
| | | *Pseudokirchneriella subcapitata* | NOEC (72h): 1 mg/L |
| 1,2-Benzisothiazolin-3-one | 2634-33-5 | *Oncorynchus mykiss* | $LC_{50}$ (96h): 2.15 mg/L |
| | | *Daphnia magna* | $EC_{50}$ (48h): 2.90 mg/L |
| | | *Raphidocelis subcapitata* | $EC_{50}$: 0.108 mg/L |
| Zinc pyrithione [b] | 13463-41-7 | *Daphnia magna* | $EC_{50}$ (48h): 8.2 µg/L |
| | | *Americamysis bahia* | $EC_{50}$ (96h): 6.3 µg/L |
| | | *Navicula pelliculosa* | NOEC (120h): 2.4 µg/L<br>$ErC_{50}$ (120h): 4.1 µg/L<br>$EbC_{50}$ (120h): 3.0 µg/L |
| | | *Skeletonema costatum* | $EC_{50}$ (96h): 1.3 µg/L<br>NOEC (96h): 0.46 µg/L |

[a] According to Regulation (EC) No. 1272/2008 (CLP), M=100 for acute aquatic effects and M=10 for chronic aquatic effects.
[b] According to Regulation (EC) No. 1272/2008 (CLP), M=1000 for acute aquatic effects and M=10 for chronic aquatic effects.

### 12.2Persistence and degradability

- Cupric oxide (CAS No. 1317-38-0) and trisodium hexafluoroaluminate (CAS No. 13775-53-6) are metal/inorganic substances. Testing is not conducted for inorganic substances.
- 1,2-Benzisothiazolin-3-one (CAS No. 2634-33-5) is not considered to be readily biodegradable. On inherent biodegradability tests, 1,2-benzisothiazolin-3-one was also not considered inherently biodegradable. However, biodegradation of 1,2-benzisothiazolin-3-one was achieved when more favourable conditions were set in the inherent tests (ca. 40-50% was degraded).
- Zinc pyrithione (CAS No. 13463 41-7) is not readily biodegradable under the conditions of the OECD 301B $CO_2$ evolution test.

### 12.3 Bioaccumulative potential

- Copper is an essential nutrient for all living organisms. Copper ions are homeostatically controlled in all organisms, and the control efficiencies increase with trophic chain.
- 1,2-Benzisothiazolin-3-one (CAS No. 2634-33-5) has a log Kow value of 0.7 at 20ºC and pH 7. The BCF of 1,2-benzisothiazolin-3-on was determined to be 6.62 (BCF ≤ 3.0) which supports the conclusion of a negligible potential for bioaccumulation.
- Zinc pyrithione (CAS No. 13463 41-7) has a log Kow value of 0.9 at 25ºC and pH 7. The experimental BCF values for pyrithiones in two aquatic species are similar and range from 4.2 to 13.8 (BCF ≤ 3.0). This, combined with rapid degradation of pyrithione seen in natural aquatic systems, indicates that zinc pyrithione is unlikely to bioaccumulate in aquatic species, either directly or through the food chain.

### 12.4 Mobility in Soil

- Cupric oxide (CAS No. 1317-38-0) has a very low soil mobility [Kd= 2120 L/kg (log Kp (pm/w) = 3.33) (50$^{th}$ percentile)].
- 1,2-Benzisothiazolin-3-one (CAS No. 2634-33-5) has high soil mobility (mean log Koc value is 0.97).
- Zinc pyrithione (CAS No. 13463 41-7) is immobile in soil.

### 12.5 Results of PBT and vPvB assessment

- Cupric oxide (CAS No. 1317-38-0) is a metal/inorganic substance. PBT and vPvB assessment does not apply.
- 1,2-Benzisothiazolin-3-one (CAS No. 2634-33-5) is not considered PBT or vPvB.
- Zinc pyrithione (CAS No. 13463 41-7) is not considered PBT or vPvB.

### 12.6 Endocrine disrupting properties

- This product is not expected to have endocrine-disrupting properties.

### 12.7 Other adverse effects

- No further data available.

**References:**

ECHA (European Chemicals Agency). 2026. REACH Registered Substances Database. https://chem.echa.europa.eu/

## Section 13 – Disposal Considerations

### 13.1 Waste treatment methods

**Preparing wastes for disposal:** Use product for its intended purpose or recycle if possible. Dispose of waste in accordance with local, regional, national, and/or international regulations. The empty container has residues which may exhibit hazards of the product.

**Contaminated Packaging:** Container packaging may exhibit hazards.

## Section 14 – Transport Information

Note: This product is classified as UN3082 Environmentally Hazardous Substance, N.O.S. (Copper Oxide), 9, III. Due to its packaging size (5 L or less), the product is not considered dangerous for transport according to special provision 375 (ADR), provision 2.10.2.7 (IMDG), and special provision A197 (IATA). Substances when carried in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids are not subject to any other provisions of ADR provided the packaging meets the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. Should the single or inner packaging condition or provisions not be met, transportation restrictions will need to be revisited

Review classification requirements before shipping materials at elevated temperatures.

| | |
|---|---|
| **14.1 UN number** | Not applicable |
| **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** | None |
| **14.6 Special precautions for user** | None |
| **14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** | Not applicable |

**Special precautions for use**: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15 – Regulatory Information

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

Note: The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in **Section 3 – Composition / Information on Ingredients**.

**European Union**

**Seveso Directive (2012/18/EU):** 2,3,7,8 TCDD (CAS No. 1746-01-6) is listed in Annex I, Part 2 as a named dangerous substance with an upper tier requirement of 0.001 tonnes. Methanol (CAS No. 67-56-1) is listed in Annex I, Part 2 as a named dangerous substance with a lower tier requirement of 500 tonnes and an upper tier requirement of 5000 tonnes. No other ingredients in this product are listed.
**Regulation (EC) No. 2024/590, Annex I and II:** No ingredients in this product are listed.
**Regulation (EC) No. 649/2012, Annex I, Parts I-III:** Cadmium (listed as cadmium and its compounds), arsenic (listed as arsenic compounds), and mercury (listed as mercury compounds) are listed in Annex I, Part 1 as a chemical subject to export notification procedure. The other ingredients in this product are not listed.
**Regulation (EC) No. 2019/1021, Annex I:** No ingredients in this product are listed.
**Substances of Very High Concern (SVHC):** Contains no ingredients on the REACH SVHC Candidate List at concentrations greater than 0.1% w/w.

**Germany:**

**Wassergefährdungsklasse (water hazard class):** WGK 3 – schwach wassergefährdend (Slightly hazardous to water).

**International:**

**IARC:** Crystalline silica (CAS No. 14808-60-7) (listed as silica dust, crystalline, in the form of quartz or cristobalite), 2,3,7,8 TCDD (CAS No. 1746-01-6) (listed as 2,3,7,8-tetrachlorodibenzo-para-dioxin), arsenic (listed as arsenic and inorganic arsenic compounds), cadmium (listed as cadmium and cadmium compounds), chromium [listed as chromium (VI) compounds], and nickel compounds are listed as Group 1, carcinogenic to humans. Titanium dioxide (CAS No. 13463-67-7), cobalt [listed as cobalt (II) oxide], and lead are listed as Group 2B, possibly carcinogenic to humans. Mercury (listed as mercury and inorganic mercury compounds) is listed as Group 3, unclassifiable as to carcinogenicity in humans. No other ingredients in this product are classified with respect to carcinogenicity.

### 15.2 Chemical Safety Assessment

- None available for the components in this product.

## Section 16 – Other Information

### Consumer Information:

### EU / UK Labeling:

Contains a biocidal product,1,2-Benzisothiazolin-3-one (BIT). May produce an allergic reaction. Contains ingredients that may cause gastrointestinal irritation if swallowed. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Do not spray apply without personal protective equipment. Avoid Dust. KEEP OUT OF REACH OF CHILDREN. For additional health information, contact a physician.



**WARNING.** Very toxic to aquatic life with long lasting effects. Avoid release to the environment. Dispose of contents/container in accordance with local, regional, national, and/or international regulation. Do not spray apply without personal protective equipment. Avoid Dust.

**Other ingredient information:**
No latex, milk, eggs, fish, crustacean shellfish, tree nuts, peanuts, wheat, soybeans, sesame are in the formula

**List of acronyms and abbreviations:**

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|---|---|
| ACGIH: American conference of Governmental Hygenists | log Kow: Octanol/water partition coefficient |
| ACMI: Art and Creative Materials Institute | MARPOL: Maritime Pollution |
| ADR: Agreement concerning the International Carriage of Dangerous Goods by Road | log Kp: Soil–water partitioning coefficient |
| ATE: Acute Toxicity Estimate | M-factor: Multiplying factor |
| BCF: Bioconcentration factor | N/A: Not applicable |
| CAS: Chemical Abstract Service Number | NIOSH: National Institute for Occupational Safety & Health |
| CL: Cautionary Labeling | NOEC: No Observed Effect Concentration |
| CLP: Classification, Labelling and Packaging Regulation (EC) No. 1272/2008 | NTP: National Toxicology Program |
| $EbC_{50}$: The concentration of test substance which results in a 50% reduction in biomass growth | PBT: Persistent, Bioaccumulative and Toxic |
| EC: European Commission | PPE: Personal Protective Equipment |
| $EC_{50}$: Median effective concentration | REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals |
| ECHA: European Chemicals Agency | SCL: Specific Concentration Limit |
| $ErC_{50}$: The concentration of test substance which results in a 50% reduction in growth rate | SDS: Safety Data Sheet |
| EU: European Union | STEL: Short-Term Exposure Limit |
| IARC: International Agency for Research on Cancer | SVHC: Substances of Very High Concern |
| IBC: International Bulk Chemical | TWA: Time-weighted average |
| GHS: Global Harmonized System | UN: United Nations |
| $LC_{50}$: Lethal Concentration 50% | vPvB: very Persistent, very Bioaccumulative |
| log Koc: Adsorption/desorption coefficient on soil | WGK: Wassergefährdungsklasse |

**References:**


ECHA (European Chemicals Agency). 2026. REACH Registered Substances Database. https://chem.echa.europa.eu/

IARC (International Agency for Research on Cancer). 2025. Agents Classified by the IARC Monographs, Volumes 1–129. https://monographs.iarc.who.int/list-of-classifications/

NTP (National Toxicology Program). 2021. Report on Carcinogens, Fifteenth Edition.; Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service. https://ntp.niehs.nih.gov/go/roc15


**Disclaimer:**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**Revision Indicator:** This is a 1st revision Safety Data Sheet.

**Creation Date:** September 15, 2023

**Revision Date**: November 10, 2026