



According to EU regulation 1907/2006 (REACH)

## Material Safety Data Sheet

SDS date: 01-02-2017

SDS version: 1.1

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

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#### 1.1. Product Identifier

**Trade Name:** Plus Color.

Product- no.: -

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

Recommended uses: Acrylic colour.

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

##### Company and address

Creotime.com

Rasmus Færchs Vej 23

7500 Holstebro

Denmark

Tlf.: +45 96 13 30 10

##### Contact person and E-mail:

Henriette Juhl Jensen, [info@creotime.com](mailto:info@creotime.com)

##### The Safety data sheet is completed and validated by:

mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: KN

#### 1.4. Emergency telephone number

Use your national or local emergency number - See section 4 "First aid measures".



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## SECTION 2: Hazards identification

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### 2.1. Classification of the substance or mixture

The product is not subject to labelling under CLP Regulation No. 1272/2008.

### 2.2. Label elements

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**Signal word:**

-

### 2.3. Other hazards

-

### Additional labelling:

This product complies with the requirements of the standard set out by The Danish Joint Council of Creative & Hobby Materials (Fællesrådet for Formnings- og Hobbymaterialer), version 10 of 1 november 2015, on creative and occupational materials.

### Additional warnings:

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## SECTION 3: Composition/information on ingredients

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### 3.1./3.2. Substances/Mixtures

| Substance       | EU-Index no. | Cas / EINECS no.         | DSD classification/CLP-classification  | w/w%        | Note |
|-----------------|--------------|--------------------------|--|-------------|------|
| Zinc pyrithione | -            | 13463-41-7<br>/236-671-3 | Acute Tox. 3;H301+H331, Eye Dam. 1;H318, Aquatic Acute 1;H400, Aquatic Chronic 1;H410, M=100 (Aquatic Acute), M=10 (Aquatic Chronic) | 0,001-0,005 | -    |

For the wording of the listed risk phrases refer to section 16.

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## SECTION 4: First aid measures

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### 4.1. Description of first aid measures

Inhalation: Not relevant.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of discomfort.

Skin contact: Wash skin with soap and water. Seek medical advice in case of persistent discomfort.

Eye contact: Flush with water (preferably using eye wash equipment) until irritation subsides. Remove contact lenses. Seek medical advice if symptoms persist.

Additional information: When obtaining medical advice, show the safety data sheet or label. Symptoms: See section 11.



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

May cause slight irritation to the skin and eyes.

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

When obtaining medical advice, show the safety data sheet or label.

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### SECTION 5: Firefighting measures

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#### 5.1. Extinguishing media

Surrounding fire: Extinguish with powder, foam or carbon dioxide. Do not use water stream, as it may spread the fire.

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

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air.

#### 5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases – seek fresh air.

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### SECTION 6: Accidental release measures

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

No special requirements.

#### 6.2. Environmental precautions

Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.

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

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. See section 13 for instructions on disposal.

#### 6.4. Reference to other sections

See above.

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### SECTION 7: Handling and storage

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#### 7.1. Precautions for safe handling

Wash hands before breaks, before using restroom facilities, and at the end of the work.

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

Keep in tightly closed original packaging.

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

See section 1.

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### SECTION 8: Exposure controls/personal protection

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#### 8.1. Control parameters

Occupational exposure limits according to EH40/2005 Workplace exposure limits (Second edition, 2011): -

##### DNEL and PNEC values:

Zinc pyrithione - DNEL:

|        |           |                  |         |                   |
|--------|-----------|------------------|---------|-------------------|
| Dermal | Long Term | Systemic effects | Workers | 0.01 mg/kg bw/day |
|--------|-----------|------------------|---------|-------------------|

Zinc pyrithione - PNEC:

|       |        |         |
|-------|--------|---------|
| Water | Fresh  | 90 ng/L |
| Water | Marine | 90 ng/L |



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## 8.2. Exposure controls

There are no exposure scenarios for this product.

### Appropriate engineering controls:

Wash hands before breaks, before using restroom facilities, and at the end of the work.

### Personal protective equipment:

|                           |               |
|---------------------------|---------------|
| Breathing equipment:      | Not required. |
| Hand protection:          | Not required. |
| Eye protection:           | Not required. |
| Body and skin protection: | Not required. |

### Environmental exposure controls:

Ensure compliance with local regulations for emissions.

## SECTION 9: Physical and chemical properties

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

|   |                         |
|---|-------------------------|
| Appearance:   | Multiple colours liquid |
| Odour:  | -                       |
| Odour threshold:  | -                       |
| pH:   | 7-9                     |
| Melting point/ Freezing Point (°C):                     | -                       |
| Initial boiling point and boiling range (°C):           | >100                    |
| Flash point (°C):                                       | -                       |
| Evaporation rate:                                       | -                       |
| Flammability (solid, gas)                               | -                       |
| Upper / lower flammability or explosion limits (vol-%): | -                       |
| Vapour pressure (hPa):                                  | -                       |
| Vapour density (air=1)                                  | -                       |
| Relative density (g/ml):                                | -                       |
| Solubility(ies):  | -                       |
| Partition coefficient: n-octanol/water:                 | -                       |
| Auto-ignition temperature (°C):                         | -                       |
| Decomposition temperature (°C):                         | -                       |
| Viscosity (Ps):   | -                       |
| Explosive properties:                                   | -                       |
| Oxidising properties:                                   | -                       |

### 9.2. Other information

|                                |   |
|--------------------------------|---|
| Content of solids (%):         | - |
| Surface tension (mN/m, 25 °C): | - |



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## SECTION 10: Stability and reactivity

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### 10.1. Reactivity

Non-reactive.

### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Avoid heating.

### 10.5. Incompatible materials

Avoid contact with strong oxidising agents.

### 10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and toxic gases such as CO<sub>x</sub> may be released.

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## SECTION 11: Toxicological information

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### 11.1. Information on toxicological effects

| Substance       | Route of exposure | Species | Test       | Result           |
|-----------------|-------------------|---------|------------|------------------|
| Zinc pyrithione | Oral              | Rat     | LD50       | 221 mg/kg bw     |
| Zinc pyrithione | Inhalation        | Rat     | LC50 / 4 h | 0.84 mg/L air    |
| Zinc pyrithione | Dermal            | Rat     | LD50       | > 2 000 mg/kg bw |

Symptoms:

**Inhalation:** The product does not release hazardous vapours.

**Ingestion:** Ingestion may cause nausea, discomfort and possibly vomiting.

**Skin contact:** May irritate the skin – may cause reddening.

**Eye contact:** May cause eye irritation.

**Long term effects:**

None known.

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## SECTION 12: Ecological information

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### 12.1. Toxicity

| Substance       | Test duration | Species | Test       | Result           |
|-----------------|---------------|---------|------------|------------------|
| Zinc pyrithione | Oral          | Rat     | LD50       | 221 mg/kg bw     |
| Zinc pyrithione | Inhalation    | Rat     | LC50 / 4 h | 0.84 mg/L air    |
| Zinc pyrithione | Dermal        | Rat     | LD50       | > 2 000 mg/kg bw |

### 12.2. Persistence and degradability

| Substance       | Biodegradability | Test       | Result   |
|-----------------|------------------|------------|----------|
| Zinc pyrithione | No               | OECD 301 B | 39% 28 d |



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### 12.3. Bioaccumulative potential

| Substance       | Potential bioaccumulation | LogPow | BCF |
|-----------------|---------------------------|--------|-----|
| Zinc pyrithione | No                        | 0,9    | -   |

### 12.4. Mobility in soil

-

### 12.5. Results of PBT and vPvB assessment

The mixture does not meet the criteria for PBT or vPvB.

### 12.6. Other adverse effects

None.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Contact the local authorities.

#### EWC Code

20 01 28

#### Specific labelling

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#### Contaminated packaging:

Uncleansed packaging is to be disposed of via the local waste-removal scheme.

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## SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR and IMDG.

### 14.1 -14.4.

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### 14.5. Environmental hazards

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### 14.6. Special precautions for user

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### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

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## SECTION 15: Regulatory information

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

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#### Restrictions for application:

-

#### Demands for specific education:

-

#### Additional labelling:

-

### 15.2. Chemical safety assessment

Chemical safety assessment has not been performed.



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## SECTION 16: Other information

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### **Other information:**

This product complies with the requirements of the standard set out by The Danish Joint Council of Creative & Hobby Materials (Fællesrådet for Formnings- og Hobbymaterialer), version 10 of 1 november 2015, on creative and occupational materials.

### **Sources:**

EC regulation 1907/2006 (REACH).

Directive 2000/532/EC.

EC Regulation 1272/2008 (CLP).

EH40/2005 WELs (United Kingdom (UK), 8/2007).

### **Full text of H-phrases as mentioned in section 2+3:**

H301 - Toxic if swallowed.

H318 - Causes serious eye damage.

H331 - Toxic if inhaled.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

### **Other**

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### **Minor changes have been made in following sections:**

1-16 – Update.

### **This material safety data sheet replaces version:**

1.1 (13-02-2015).

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