

Material Safety Data Sheet

SDS date: 26-07-2017

SDS version: 2.0

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

1.1. Product Identifier

Trade Name: Silk Clay

Product- no.: -

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

Recommended uses: Self-hardening modeling material.

1.3. Details of the supplier of the safety data sheet

Company and address

Creotime.com

Rasmus Færchs Vej 23

7500 Holstebro

Tlf.: +45 96 13 30 10

Kontaktperson og mail:

Tina Andresen, 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".

SECTION 2: Hazards identification

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

-

Signal word:

-

2.3. Other hazards

-

Additional labelling:

-

Additional warnings:

-

SECTION 3: Composition/information on ingredients

3.1./3.2. Substances/Mixtures

| Substance | EU-Index no. | Cas / EINECS no. | CLP-classification | w/w% | Note |
|--|--------------|-----------------------|---|-----------|------|
| Bronopol | 603-085-00-8 | 52-51-7/ 200-143-0 | Acute Tox. 4;H302+H312, Skin Irrit. 2;H315, Eye Dam. 1;H318, STOT SE 3;H335, Aquatic Chronic 1;H400, M=10 | 0,01-0,05 | - |
| Neon Orange – Neon red – Neon purple contains: | | | | | |
| Disodium 2-(2,4,5,7-tetraiod-6-oxido-3-oxoxanthen-9-yl)benzoat | - | 16423-68-0/ 240-474-8 | Aquatic Acute 3;H412 | 1-3 | - |

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

SECTION 4: First aid measures

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. Seek medical advice if symptoms persist.

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

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

Risk of burns to the skin upon contact with the heated product.

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

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

SECTION 5: Firefighting measures

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. If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No special requirements.

6.2. Environmental precautions

Avoid unnecessary release to the environment.

6.3. Methods and material for containment and cleaning up

Sweep up/collect spills for possible reuse or transfer to suitable waste containers.

6.4. Reference to other sections

See above.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section 8 for information about precautions for use and personal protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep in tightly closed original packaging.

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits:

| Substance | Long-term exposure limit | Short-term exposure limit | Note |
|----------------------------------|--------------------------|---------------------------|------|
| Titanium dioxide total inhalable | 10 mg/m ³ | - | - |
| Titanium dioxide respirable | 4 mg/m ³ | - | - |

DNEL and PNEC values:

DNEL - Bronopol:

| | | | | |
|------------|------------|------------------|--------------------|------------------------|
| Dermal | Short term | Systemic effects | Workers | 7 mg/kg bw/day |
| Inhalation | Short term | Systemic effects | Workers | 12.3 mg/m ³ |
| Dermal | Short term | Local effects | Workers | 13 µg/cm ² |
| Inhalation | Short term | Local effects | Workers | 4.2 mg/m ³ |
| Dermal | Long Term | Systemic effects | Workers | 2.3 mg/kg bw/day |
| Inhalation | Long Term | Systemic effects | Workers | 4.1 mg/m ³ |
| Dermal | Long Term | Local effects | Workers | 13 µg/cm ² |
| Inhalation | Long Term | Local effects | Workers | 4.2 mg/m ³ |
| Oral | Short term | Systemic effects | General population | 1.1 mg/kg bw/day |
| Dermal | Short term | Local effects | General population | 8 µg/cm ² |
| Inhalation | Short term | Local effects | General population | 1.3 mg/m ³ |
| Oral | Long Term | Systemic effects | General population | 0.35 mg/kg bw/day |
| Dermal | Long Term | Systemic effects | General population | 1.4 mg/kg bw/day |
| Inhalation | Long Term | Systemic effects | General population | 1.2 mg/m ³ |
| Dermal | Long Term | Local effects | General population | 8 µg/cm ² |
| Inhalation | Long Term | Local effects | General population | 1.3 mg/m ³ |

PNEC - Bronopol:

| | | |
|-------|-----------------------|-------------------|
| Water | Fresh | 0.01 mg/L |
| Water | Marine | 0.0008 mg/L |
| Water | Intermittent releases | 0.0025 mg/L |
| Soil | - | 0.5 mg/kg soil dw |

8.2. Exposure controls

There are no exposure scenarios for this product.

Appropriate engineering controls:

Not relevant.

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 play dough |
| Odour: | Mild |
| Odour threshold: | - |
| pH: | - |
| Melting point/ Freezing Point (°C): | - |
| Initial boiling point and boiling range (°C): | - |
| Flash point (°C): | - |
| Evaporation rate: | - |
| Flammability (solid, gas) | - |
| Upper / lower flammability or explosion limits (vol-%): | - |
| Vapour pressure (mbar, 25 °C): | - |
| Vapour density (air=1) | - |
| Relative density: | - |
| Solubility(ies) | - |
| Partition coefficient: n-octanol/water: | - |
| Auto-ignition temperature (°C): | - |
| Decomposition temperature (°C): | - |
| Viscosity (mm ² /sek): | - |
| Explosive properties: | - |
| Oxidising properties: | - |

9.2. Other information

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

SECTION 10: Stability and reactivity

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_x may be released.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| Substance | Route of exposure | Species | Test | Result |
|-----------|-------------------|---------|-----------|---------------------------|
| Bronopol | Oral | Rat | LD50 | 254 - 354 mg/kg bw |
| Bronopol | Inhalation | Rat | LC50 / 4h | 588 mg/m ³ air |
| Bronopol | Dermal | Rat | LD50 | 2 000 mg/kg bw |

Symptoms:

Inhalation: The product does not release hazardous vapours.

Skin contact: May irritate the skin.

Eye contact: May cause eye irritation.

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

Long term effects:

None known.

SECTION 12: Ecological information

12.1. Toxicity

| Substance | Test duration | Species | Test | Result |
|-----------|---------------|---------|------|----------------|
| Bronopol | 48 h | Daphnia | LC50 | 1.4 mg/L |
| Bronopol | 72 h | Algae | EC50 | 250 - 370 µg/L |

12.2. Persistence and degradability

| Substance | Biodegradability | Test | Result |
|-----------|------------------|-----------|----------------------|
| Bronopol | Yes | OECD 301B | 70-80% after 28 days |

12.3. Bioaccumulative potential

| Substance | Potential bioaccumulation | LogPow | BCF |
|-----------|---------------------------|------------|-----|
| Bronopol | No | -0,34-0,22 | - |

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

The product contains a small amount of a substance that is harmful to aquatic organisms, with long-term effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is not classified as hazardous waste – empty and uncleaned packaging can be disposed off with daily refuse collection. Disposal of larger quantities: Contact the local authorities.

EWC Code

16 05 09

Specific labelling

-

Contaminated packaging:

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

SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods by road and rail according to ADR/RID.

14.1 -14.4.

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

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

Not relevant.

SECTION 15: Regulatory information

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

-

Restrictions for application:

-

Demands for specific education:

-

Additional labelling:

-

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: Other information

Other information:

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:

H302 - Harmful if swallowed.

H312 - Harmful in contact with skin.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H335 - May cause respiratory irritation.

H400 - Very toxic to aquatic life.

H412 - Harmful to aquatic life with long lasting effects.

Other

-

Minor changes have been made in following sections:

Section 1-16.

This material safety data sheet replaces version:

1.0
