

## Material Safety Data Sheet

SDS date: 26-07-2017

SDS version: 2.0

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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:** 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".

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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

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##### Additional labelling:

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##### 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.	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	-
<b>Neon Orange – Neon red – Neon purple contains:</b>					
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.

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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. 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.

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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. 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 <sup>3</sup>	-	-
Titanium dioxide respirable	4 mg/m <sup>3</sup>	-	-

### 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 <sup>3</sup>
Dermal	Short term	Local effects	Workers	13 µg/cm <sup>2</sup>
Inhalation	Short term	Local effects	Workers	4.2 mg/m <sup>3</sup>
Dermal	Long Term	Systemic effects	Workers	2.3 mg/kg bw/day
Inhalation	Long Term	Systemic effects	Workers	4.1 mg/m <sup>3</sup>
Dermal	Long Term	Local effects	Workers	13 µg/cm <sup>2</sup>
Inhalation	Long Term	Local effects	Workers	4.2 mg/m <sup>3</sup>
Oral	Short term	Systemic effects	General population	1.1 mg/kg bw/day
Dermal	Short term	Local effects	General population	8 µg/cm <sup>2</sup>
Inhalation	Short term	Local effects	General population	1.3 mg/m <sup>3</sup>
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 <sup>3</sup>
Dermal	Long Term	Local effects	General population	8 µg/cm <sup>2</sup>
Inhalation	Long Term	Local effects	General population	1.3 mg/m <sup>3</sup>

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.

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## SECTION 9: Physical and chemical properties

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### 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 <sup>2</sup> /sek):	-
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
Bronopol	Oral	Rat	LD50	254 - 354 mg/kg bw
Bronopol	Inhalation	Rat	LC50 / 4h	588 mg/m <sup>3</sup> 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.

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## SECTION 12: Ecological information

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### 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% efter 28 dage

### 12.3. Bioaccumulative potential

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

#### **12.4. Mobility in soil**

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#### **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.

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### **SECTION 13: Disposal considerations**

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#### **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**

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#### **Contaminated packaging:**

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

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### **SECTION 14: Transport information**

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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.**

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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**

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

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#### **Restrictions for application:**

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#### **Demands for specific education:**

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#### **Additional labelling:**

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#### **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:**

#### **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**

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

Section 1-16.

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

1.0

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