

# Material Safety Data Sheet



Completed 30-11-2020  
Revision: (date) 12-07-2022  
SDS version 1.2

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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 Standard  
Product- no.: -

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

#### **Recommended uses:**

Visual arts and hobby.  
Self-curing modeling material

#### **Uses advised against:**

This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

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

#### **Company and address:**

Creotime.com	Creotime.com
Rasmus Færchs Vej 23	2 Pine Court, Kembrey Park Swindon
7500 Holstebro	Wiltshire, SN2 8AD
Denmark	UK
Tlf.: +45 96 13 30 10	+44 (0)793 616 068

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

info@creotime.com

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

Mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: DH

### 1.4. Emergency telephone number

NHS: 111

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

The product contains substance(s), which are suspected to have endocrine disrupting properties.

#### **Additional labelling:**

-

#### **Additional warnings**

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 12 of 1th of August 2021, on creative and occupational materials.

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## SECTION 3: Composition/information on ingredients

### 3.1/3.2. Substances/Mixtures

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
Methyl 4-hydroxybenzoate	- / -	99-76-3	202-785-7	Aquatic Chronic 2;H411	0,1 - 0,5	-
Ethyl 4-hydroxybenzoate	- / -	120-47-8	204-399-4	-	0,1 - 0,5	-

See full text of H-phrases in 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 persistent 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.

### 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

No special immediate treatment required.  
Show this safety data sheet to the doctor in attendance.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Surrounding fire:  
Extinguish with powder, foam, carbon dioxide or water mist.  
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.  
Exposure to decomposition products may cause a health hazard.

### 5.3. Advice for firefighters

Fire fighters should wear appropriate protective equipment.

## SECTION 6: Accidental release measures

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

No special requirements.

### 6.2. Environmental precautions

Do not discharge large quantities of concentrated spills and residue into drains.

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

Pick up mechanically.

### 6.4. Reference to other sections

See section 8 for type of protective equipment.  
See section 13 for instructions on disposal.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

No special requirements.

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

There are no special requirements for storage. However, it should be stored safe and out of the reach of children. Keep in tightly closed original packaging.

### 7.3. Specific end use(s)

See application section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure limits according to EH40/2005 Workplace exposure limits (Fourth Edition 2020):

-

#### DNEL/PNEC-values:

##### DNEL Methyl 4-hydroxybenzoate

	Workers	Consumers
Inhalation - Chronic Systemic	176.3 mg/m <sup>3</sup>	43.45 mg/m <sup>3</sup>
Dermal - Chronic Systemic	29.41 mg/kg bw/day	14.7 mg/kg bw/day
Oral - Chronic Systemic	-	12.5 mg/kg bw/day
Oral - Acute Systemic	-	12.5 mg/kg bw/day

##### DNEL Ethyl 4-hydroxybenzoate

	Workers	Consumers
Inhalation - Chronic Systemic	173 mg/m <sup>3</sup>	43.47 mg/m <sup>3</sup>
Dermal - Chronic Systemic	32.85 mg/kg bw/day	16.42 mg/kg bw/day
Oral - Chronic Systemic	-	12.5 mg/kg bw/day
Oral - Acute Systemic	-	12.5 mg/kg bw/day

##### PNEC Methyl 4-hydroxybenzoate

Fresh water	2.4 µg/L
Intermittent releases (Fresh water)	0.112 mg/L
Marine water	0.24 µg/L
Soil	11.5 µg/kg soil dw

##### PNEC Ethyl 4-hydroxybenzoate

Fresh water	0.01 mg/L
Intermittent releases (Fresh water)	0.1 mg/L
Marine water	0.001 mg/L
Soil	0.033 mg/kg soil dw

### 8.2. Exposure controls

There are no exposure scenarios for this product.

#### Appropriate engineering controls:

No special requirements.

Wash hands after use.

#### Respiratory protection:

Not required.

#### Hand protection:

Not required.

#### Eye/face protection:

Not required.

#### Skin protection:

Not required.

#### Environmental exposure controls:

Ensure compliance with local regulations for emissions.

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## SECTION 9: Physical and chemical properties

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

Physical state:	Paste
Colour:	Different
Odour:	Mild
Melting point/ Freezing Point (°C):	-
Boiling point or initial boiling point and boiling range (°C):	-
Flammability:	-
Lower and upper explosion limit (vol-%):	-
Flash point (°C):	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
pH:	-
Kinematic viscosity (mm <sup>2</sup> /s):	-
Solubility:	-
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	-
Density and/or relative density:	-
Relative vapour density:	-
Particle characteristics:	-

### 9.2. Other information

None.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data.

### 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

None known.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

No special precautions regarding contact with other materials at the recommended storage conditions.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity:

Based on the existing data, the classification is not met.

Substance	exposure	Species	Test	Result
Methyl 4-hydroxybenzoate	Oral	Rat	LD50	2100 mg/kg bw
Ethyl 4-hydroxybenzoate	Oral	Rat	LD50	> 3100 mg/kg bw

#### Skin corrosion/irritation:

May cause slight irritation.

#### Serious eye damage/irritation:

May cause mechanical irritation.

#### Respiratory or skin sensitisation:

Based on the existing data, the classification is not met.

#### Germ cell mutagenicity:

Based on the existing data, the classification is not met.

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## **Carcinogenicity:**

Based on the existing data, the classification is not met.

## **Reproductive toxicity:**

Based on the existing data, the classification is not met.

## **STOT-single exposure:**

Based on the existing data, the classification is not met.

## **STOT-repeated exposure:**

Based on the existing data, the classification is not met.

## **Aspiration hazard:**

Based on the existing data, the classification is not met.

## **11.2. Information on other hazards**

The product contains substance(s), which are suspected to have endocrine disrupting properties.

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## **SECTION 12: Ecological information**

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### **12.1. Toxicity**

<b>Substance</b>	<b>Test duration</b>	<b>Species</b>	<b>Test</b>	<b>Result</b>
Methyl 4-hydroxybenzoate	96 Hours	Fish	LC50	59.5 mg/L
Methyl 4-hydroxybenzoate	48 Hours	Daphnia	EC50	11.2 mg/L
Methyl 4-hydroxybenzoate	72 Hours	Algae	EC50	91 mg/L
Ethyl 4-hydroxybenzoate	96 Hours	Fish	LC50	15 mg/L
Ethyl 4-hydroxybenzoate	48 Hours	Daphnia	EC50	> 10 - < 20 mg/L
Ethyl 4-hydroxybenzoate	72 Hours	Algae	EC50	37 mg/L

### **12.2. Persistence and degradability**

<b>Substance</b>	<b>Biodegradability</b>	<b>Test</b>	<b>Result</b>
Methyl 4-hydroxybenzoate	Yes	OECD Guideline 301 B	28 Days 89%
Ethyl 4-hydroxybenzoate	Yes	OECD Guideline 301 F	28 Days 88.4 %

### **12.3. Bioaccumulative potential**

<b>Substance</b>	<b>Potential bioaccumulation</b>	<b>LogPow</b>
Methyl 4-hydroxybenzoate	No	1.98

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

Test data are not available.

### **12.5. Results of PBT and vPvB assessment**

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

### **12.6. Endocrine disrupting properties**

The product contains substance(s), which are suspected to have endocrine disrupting properties.

### **12.7. Other adverse effects**

None.

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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 according to Waste Management. Disposal of spillage and waste via the municipal waste collection service with the specifications below is recommended.

EWC-Code	Description
16 05 09	Discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
20 01 99	Other fractions not otherwise specified

#### **Specific labelling:**

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#### **Contaminated packaging:**

Empty packaging and residues can be disposed with household waste.

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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 sea according to ADR, IMDG and IATA.

### 14.1 -14.4.

#### **ADR**

-

#### **IMDG/IATA**

-

### 14.5. Environmental hazards

-

### 14.6. Special precautions for user

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### 14.7. Maritime transport in bulk according to IMO instruments

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

#### **Sources:**

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

#### **Additional labelling:**

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

-

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

-

### 15.2. Chemical safety assessment

None.

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## SECTION 16: Other information

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According to EU regulation 1907/2006 (REACH)

### Other information:

#### Sources:

EC regulation 1907/2006 (REACH), with amendments.  
EC Regulation 1272/2008 (CLP), with amendments.  
EU regulation no. 276/2010  
Directive 2000/532/EC  
ECHA - The European Chemicals Agency

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

H411 Toxic to aquatic life with long lasting effects.

#### Classification according to Regulation (EC) Nr. 1272/2008:

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#### Abbreviations and acronyms used in the safety data sheet:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS-Number.: Chemical Abstracts Service number.

EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).

DNEL: Derived No Effect Level.

PNEC(s): Predicted No Effect Concentration(s).

STOT: Specific Target Organ Toxicity.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

LC50: Lethal Concentration to 50 % of a test population.

EC50: The effective concentration of substance that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.

NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

#### Other:

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

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

General update.

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

1.1