

In accordance with Directive 1907/2006/EC,2020/878  
Version 2.0 Revision date: 05-11-2021  
Trade name: Super Sculpey® Oven Hardening Modeling Clay

Page 1 of 8  
Print date : 5-4-2024

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

### **1.1 Product identification :**

Product name : Super Sculpey® Oven Hardening Modeling Clay

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

Use: Kiln-hardening modelling material for hobbies.  
Handmade product, not a toy.

### **1.3 Contact details for the supplier of the safety data sheet :**

Responsible distributor: ASSYST bvba / A.S.O.W. bvba  
Hellegatstraat 13a  
2590 Berlaar  
Belgium  
Tel: +32 495 50 61 14 / +32 496 83 70 27  
Website: [www.assyst.org](http://www.assyst.org) / [www.artsuppliesonweb.com](http://www.artsuppliesonweb.com)  
E-mail: [ao@assyst.org](mailto:ao@assyst.org) / [vera.opsommer@assyst.org](mailto:vera.opsommer@assyst.org)

### **1.4 Emergency telephone number :**

For Belgium: Call the **Poison Control Centre (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.  
NHS 24 Direct For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture :**

**Classification in accordance with Directive (EC) No. 1272/2008 and its amendments.**

Serious eye damage/eye irritation, category 2; H319 - Causes severe eye irritation.

Aquatic toxicity (chronic), category 3; H412 - Harmful to aquatic organisms, causing long-term adverse effects.

### **2.2 Labelling elements :**

**Labelling in accordance with Regulation (EC) No 1272/2008 [CLP/GHS] :**



**Danger pictograms :**

**Signal word :** Caution.

**Hazardous ingredients must be declared on the label:**

- ✓ Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha

**Hazard statements :**

H319 Causes severe eye irritation.

H412 Harmful to aquatic organisms, causes long-term adverse effects.

**Precautions to be taken**

**Prevention:**

P264 Wash thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves, eye protection and face protection.

**Action :**

P305+351+338 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if present and easily removable. Continue rinsing.

P332+313 IF SKIN IRRITATION occurs: seek medical advice.

# SAFETY DATA SHEET

In accordance with Directive 1907/2006/EC,2020/878  
Version 2.0 Revision date: 05-11-2021  
Trade name: Super Sculpey® Oven Hardening Modeling Clay

Page 2 of 8  
Print date : 5-4-2024

P337+313 If eye irritation persists: seek medical advice.

#### Storage :

No storage declarations

#### Disposition:

P501 Dispose of contents and container in accordance with local and national regulations.

#### 2.3 Other hazards :

This product does not contain any PBT/vPvB chemicals.

This product contains no endocrine-disrupting chemicals.

### SECTION 3: Composition and information on ingredients

#### 3.2 Mixtures :

If the product contains substances presenting a hazard in accordance with Regulation (EC) No 1272/2008 [CLP / GHS], they are listed below.

Ingredient/Chemical names	CAS NO. CE NUMBER Index no. Registration number	Classification (Regulation (EC) n° 1272/008)	Concentration (%)
Zinc oxide	1314-13-2 215-222-5 030-013-00-7 -	Aquatic Acute 1; H400 Aquatic Chronic 1; H410  Acute M factor: 1 M-Factor review: 1	1.0 - 10
Calicum Oxide	1305-78-8 - - -	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335	1.0 - 10

For an explanation of abbreviations, see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures :

##### General

If in doubt, or if symptoms persist, seek medical advice.

NEVER give anything by mouth to an unconscious person.

##### Inhalation

Remove to fresh air, keep patient warm and at rest.

If breathing is irregular or stopped, give artificial respiration.

Do not give anything by mouth.

If the person is unconscious, place them in the recovery position and call a doctor.

##### Contact with eyes

Rinse thoroughly with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical attention.

##### Skin contact

Remove contaminated clothing.

Wash skin thoroughly with soap and water.

DO NOT use solvents or thinners.

##### Ingestion

If accidentally swallowed, seek medical advice immediately. Keep at rest. DO NOT induce vomiting.

#### 4.2. Main symptoms and effects, acute and delayed

##### Summary

No specific data on symptoms available.

Treat symptomatically.

See section 2 for more details.

##### Contact with eyes

Causes severe eye irritation.

In accordance with Directive 1907/2006/EC,2020/878  
Version 2.0 Revision date: 05-11-2021  
Trade name: Super Sculpey® Oven Hardening Modeling Clay

Page 3 of 8  
Print date : 5-4-2024

## **Skin contact**

Causes slight skin irritation.

## **4.3 Indication of any immediate medical care and special treatment needed**

### **Notes to the doctor**

Treat symptomatically

## **SECTION 5: Fire-fighting measures**

### **5.1 Extinguishing media :**

#### **Recommendations:**

Foam resistant to alcohols, CO<sub>2</sub>, powders and water spray.

#### **Unsuitable extinguishing media:**

Do not use: water jet.

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

#### **Hazardous decomposition products:**

No data available on dangerous decomposition.

### **5.3. Advice for firefighters**

Wear positive-pressure self-contained breathing apparatus fitted with a full face mask and protective clothing.

People without respiratory protection must leave the premises.

Wear self-contained breathing apparatus during clean-up immediately after the fire.

Do not smoke.

## **SECTION 6: Accidental release measures for the substance or mixture**

### **6.1 Personal precautions, protective equipment and emergency procedures :**

#### **Personal precautions :**

Put on appropriate personal protective equipment (see Section 8).

#### **6.2. Environmental precautions**

Prevent from entering sewers or watercourses.

Use good personal hygiene practices.

Wash your hands before eating, drinking, smoking or using the toilet.

Remove soiled clothing promptly and wash thoroughly before re-use.

#### **6.3. Methods and equipment for containment and cleaning up**

Sweep or collect.

#### **6.4 Reference to other headings**

See section 1 for emergency contact details.

See section 8 for information on suitable personal protective equipment.

See section 13 for further information on waste treatment.

## **SECTION 7: Handling and storage :**

### **7.1 Precautions for safe handling of the substance or mixture :**

Handle packaging with care to avoid damage.

See section 2 for more details. - Prevention]:

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

Incompatible materials: No data available.

See section 2 for more details. - Storage]:

### **7.3. Particular end use(s)**

No data available.

## **SECTION 8: Exposure controls/personal protection measures**

### **8.1 Control parameters :**

<b><u>Ingredient</u></b>	<b><u>The source</u></b>	<b><u>Value</u></b>
Calcium Oxide (CAS 1305-78-8)	OSHA	TWA 5 mg/m <sup>3</sup>
	ACGIH	TWA: 2 mg/m <sup>3</sup>

# SAFETY DATA SHEET

In accordance with Directive 1907/2006/EC,2020/878  
Version 2.0 Revision date: 05-11-2021  
Trade name: Super Sculpey® Oven Hardening Modeling Clay

Page 4 of 8  
Print date : 5-4-2024

	NIOSH	TWA 2 mg/m3
Zinc oxide (CAS 1314-13-2)	OSHA	TWA 5 mg/m3 (fume) TWA 15 mg/m3 (total dust) TWA 5 mg/m3 (resp dust)
	ACGIH	TWA: 2 mg/m3 STEL: 10 mg/m3
	NIOSH	--

## 8.2 Exposure control measures :

### Respiratory

Workers exposed to concentrations above the exposure limit must wear appropriate, approved respirators. For maximum protection when spraying this product, we recommend using a multi-layer combination filter, e.g. type ABEK1.

In confined spaces, wear a fresh air or compressed air respirator.

### Eyes

Wear safety goggles with side shields to protect your eyes.

An eyewash station is suggested as good practice in the workplace.

### Skin

Protective gloves recommended.

### Engineering controls

Ensure adequate ventilation, if possible by extraction at workstations and by suitable general extraction.

If this ventilation is insufficient to keep concentrations of solvent particles and vapours below the exposure limit values, wear respiratory equipment.

### Other working practices

Use good personal hygiene practices. Wash your hands before eating, drinking, smoking or using the toilet.

Remove soiled clothing promptly and wash thoroughly before re-use.

See section 2 for more details.

## SECTION 9: Physical and chemical properties

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

#### Aspect

Colour:	5000 Beige 5996 Gray 5997 Medium Blend 5999 Firm
Physical state:	Solid
Odour :	Characteristic
Olfactory threshold :	Not determined
pH :	Not measured
Melting point / freezing point (°C) :	Not measured
Initial boiling point and boiling range (°C) :	Not measured
Flash point :	Not measured
Evaporation rate (Ether = 1) :	Not measured
Flammability (solid, gas) :	not applicable

#### Upper/lower flammability or explosive limits

Lower explosive limit:	Not measured
Upper explosive limit:	Not measured
Vapour pressure (Pa) :	Not measured
Vapour density :	Not measured
Density :	Not measured
Solubility in water :	Not measured
Coefficient of n-octanol/water distribution (Log Kow) :	Not measured
Auto-ignition temperature (°C) :	Not measured
Degradation temperature (°C) :	Not measured
Viscosity (cSt) :	Not measured

### 9.2. Other information

# SAFETY DATA SHEET

In accordance with Directive 1907/2006/EC,2020/878  
Version 2.0 Revision date: 05-11-2021  
Trade name: Super Sculpey® Oven Hardening Modeling Clay

Page 5 of 8  
Print date : 5-4-2024

No other relevant information.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity :

Dangerous polymerisation will not occur.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3 Possibility of dangerous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5. Incompatible materials

No data available

### 10.6 Hazardous decomposition products

No data available on dangerous decomposition.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects :

#### Acute toxicity

Note: In the absence of LD50 data for a pathway-specific acute toxin, the converted acute toxicity point estimate was used in the calculation of the acute toxicity estimate for the product.

Ingredient	Oral LD50, mg/kg	Dermal LD50, mg/kg	Inhalation Vapours LC50, mg/L / 4 h	Inhalation dust / mist LC50, mg/L / 4 h	Inhalation gas LC50, ppm
Calcium Oxide - (1305-78-8)	>2,000.00, Rat - Category: 5	>2,500.00, Rabbit - Category: 5	--	--	--
Zinc oxide - (1314-13-2)	> 5,000.00, Rat - Category: NA	--	--	5.70, Rat - Category: 5	--

#### Data on carcinogenicity

Ingredient	The source	Value
Calcium Oxide (CAS 1305-78-8)	OSHA	Regulated carcinogen: No;
	NTP	Known: No; Presumed: No;
	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
	ACGIH	--
Zinc oxide (CAS 1314-13-2)	OSHA	Regulated carcinogen: No;
	NTP	Known: No; Presumed: No;
	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
	ACGIH	--

Classification	Category	Description of the hazard
Acute Toxicity - Oral	--	Not applicable
Acute Toxicity - Dermal	--	Not applicable
Acute Toxicity - Inhalation	--	Not applicable
Skin corrosion/skin irritation	--	Not applicable
Serious eye damage/eye irritation	2	Causes severe eye irritation.
Respiratory sensitisation	--	Not applicable
Skin sensitisation	--	Not applicable
Germ cell mutagenicity	--	Not applicable
Carcinogenicity	--	Not applicable
Reproductive toxicity	--	Not applicable
Specific target organ toxicity - single exposure	--	Not applicable
Specific toxicity for certain target organs - repeated exposure	--	Not applicable
Aspiration hazard	--	Not applicable

### 11.2 Information on other hazards

This product contains no endocrine-disrupting chemicals.

In accordance with Directive 1907/2006/EC, 2020/878  
 Version 2.0 Revision date: 05-11-2021  
 Trade name: Super Sculpey® Oven Hardening Modeling Clay

Page 6 of 8  
 Print date : 5-4-2024

## **SECTION 12: Ecological information**

### 12.1 Toxicity :

Harmful to aquatic organisms, causes long-term adverse effects.

No additional information is provided for this product.

Refer to Section 3 for specific data.

### **Aquatic ecotoxicity**

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustaceans, mg/l	ErC50 algae, mg/l	3hr IC50 bacteria mg/l	Biodegradability
Calicum Oxide - (1305-78-8)	50.60, Oncorhynchus mykiss	49.10, Daphnia magna	184.57 (72 hr), Pseudokirchnerella subcapitata	300.40	--
Zinc oxide - (1314-13-2)	Not available	>100.00, Daphnia magna	Not available	--	--

### 12.2 Persistence and degradability :

No data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not measured

### 12.4 Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessments

This product does not contain any PBT/vPvB chemicals.

### 12.6 Endocrine disrupting properties

This product contains no endocrine-disrupting chemicals.

### 12.7. Other adverse effects

No data available

## **SECTION 13: Disposal instructions**

### 13.1 Waste treatment methods :

#### **Product :**

Do not empty into drains or waterways.

Waste and used packaging must be treated in accordance with current regulations.

## **SECTION 14: Transport information**

### 14.1 UN number

Not applicable

### 14.2 Proper shipping name according to UN Model Regulations

Not regulated for transport

### 14.3 Transport hazard class(es)

Not applicable

### 14.4 Packaging group

Not applicable

### 14.5 Environmental risks

Not considered hazardous to the environment or the marine environment based on available data.

### 14.6 Special precautions for the user

No data available.

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

Consult IMO regulations before transporting ocean-going bulk cargo

This information is not intended to disclose all specific legislation, operational requirements and information relating to this product. Further information on transport can be obtained from a sales representative or customer service. It is the responsibility of the transport company to comply with all legal requirements relating to the transport of goods.

In accordance with Directive 1907/2006/EC, 2020/878  
Version 2.0 Revision date: 05-11-2021  
Trade name: Super Sculpey® Oven Hardening Modeling Clay

Page 7 of 8  
Print date : 5-4-2024

## **SECTION 15: Statutory information**

15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture :

### **EU legislation**

REGULATION (EU) 2020/878 amending Regulations (EU) 2015/830 and (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

### **National legislation**

Special medical surveillance (Order of 11.07.1977) must be considered for products containing organic solvents and if spray application is possible. The table of occupational diseases no. 84 "Affections engendrées par les solvants organiques liquides à usage professionnel".

### 15.2 Chemical safety assessment :

No chemical safety assessment has been carried out.

## **SECTION 16: Other information**

### **Full text of statements H**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory tract irritation.

H400 Very toxic to aquatic organisms.

H410 Very toxic to aquatic organisms, causes long-term adverse effects.

### **Full text of other abbreviations**

Aquatic Acute	Dangerous for the aquatic environment. Acute.
Aquatic Chronic	Dangerous for the aquatic environment. Chronic.
Eye Dam.	Serious eye damage/eye irritation
Skin Irrit.	Irritation/Corrosion
STOT SE:	Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR Agreement); AIIIC - Australian Industrial Chemicals Inventory; ASTM - American Society for Testing of Materials; bw - body weight; CLP - Regulation on Classification, Labelling and Packaging; Regulation (EC) No. 1272/2008; CMR - Carcinogenic, mutagenic or toxic to reproduction; DIN - German Standard or Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC number - EINECS number; ECx - Concentration associated with a response of x%; ELx - Loading capacity associated with a response of x%; EmS - Emergency programme; ENCS - Existing and new chemicals (Japan); ErCx - Concentration associated with a growth response of x%; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - IMO International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC50 - Intermediate Inhibitory Concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory List of Existing Chemicals in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korean Inventory of Existing Chemicals; LC50 - Lethal concentration for 50% of a tested population; LD50 - Lethal dose for 50% of a tested population (median lethal dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.n.o.s. - Not Elsewhere Specified; NO(A)EC - No discernible (negative) effect on concentration; NO(A)EL - No discernible (negative) effect on level; NOELR - No discernible effect on carrying capacity; NZIoC - New Zealand inventory of chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic; PICCS - Philippine Inventory of Chemicals and Substances; (Q)SAR - Quantitative Structure-Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH); RID - Regulation concerning the International Carriage of Dangerous Goods by Rail (RID); SADT - Self-accelerating decomposition

# SAFETY DATA SHEET

In accordance with Directive 1907/2006/EC,2020/878  
Version 2.0 Revision date: 05-11-2021  
Trade name: Super Sculpey® Oven Hardening Modeling Clay

Page 8 of 8  
Print date : 5-4-2024

temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwanese Chemical Substances Inventory; TECl - Thailand Chemical Substances Inventory; TRGS - Technical Regulation of Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative.

## More information

Training advice :

Provide appropriate information, instructions and training for users.

## Classification of the preparation:

Eye Irrit. 2 H319  
Aquatic Chronic 3 H412

## classification procedure :

Calculation method  
Calculation method

The information and recommendations contained in this document are based on data believed to be correct. However, no warranty or guarantee of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any adverse effects that may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations and ordinances.

Disclaimer: The information presented here is provided as a guide for those handling or using this product. Safe working practices must be used when working with materials. It is important that the end user makes a decision regarding the adequacy of the safety procedures employed when using this product.