

SAFETY DATA SHEET

In accordance with Directive 1907/2006/EC,2020/878
Version 2.0 Revision date: 06-08-2022
Trade name: Original Sculpey® Oven Hardening Modeling Clay

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Print date : 5-4-2024

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

1.1 Product identification :

Product name : Original 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 / www.artsuppliesonweb.com
E-mail: ao@assyst.org / 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.

Aquatic toxicity (acute), category 3; H402 - Harmful to aquatic organisms.

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 :

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

Precautions to be taken

Prevention:

P273 Avoid release to the environment.

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.

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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

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.

Skin contact

Causes slight skin irritation.

4.3 Indication of any immediate medical care and special treatment needed

Remarks to the doctor

Treat symptomatically

SECTION 5: Fire-fighting measures

5.1 Extinguishing media :

Recommendations:

Foam resistant to alcohols, CO2, powders and water spray.

Unsuitable extinguishing media:

Do not use: water jet.

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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 :

Ingredient	The source	Value
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	--
	National	5 mg/m3 TWA [VME] (smoke); 10 mg/m3 TWA [VME] (dust)

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

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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:	Clay
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

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.

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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
Zinc oxide - (1314-13-2)	> 5,000.00, Rat - Category: NA	--	--	5.70, Rat - Category: 5	--

Data on carcinogenicity

Ingredient	The source	Value
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	--	Not applicable
Respiratory sensitisation	--	Not applicable
Skin sensitisation	--	Not applicable
Germ cell mutagenicity	--	Not applicable
Carcinogenicity	--	Not applicable
Reproductive toxicity	--	Not applicable
Specific toxicity for certain target organs - 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.

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
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

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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.

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

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.

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); AIIC - 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;

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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 otherwise 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 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:

Acute aquatic 3 H402

Chronic aquatic 3 H412

classification procedure :

Calculation method

Calculation method

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