

SAFETY DATA SHEET



According to directive 1907/2006/EC, 2015/830
Version 1.0 Date of issue: 22-03-2017
Trade name: Monster Clay (all grades)

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

1.1 Product identification:

Product name: Monster Clay (all grades)

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

Usage: Modelling clay.

1.3 Details of 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
Email: ao@assyst.org / vera.opsommer@assyst.org

1.4 Emergency telephone number:

For Belgium:

Call the **Poison Control Center (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 according to Directive (EC) No 1272/2008 and its amendments.

Not a hazardous substance or mixture.

Adverse physico-chemical effects, effects on human health and the environment

To our knowledge, this product poses no specific risk provided that it is handled in accordance with good occupational hygiene and safety practices.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]:

Not a hazardous substance or mixture.

Safety recommendations (CLP):

P102 - Keep out of the reach of children

2.3 Other hazards:

Other hazards that do not contribute to the classification:

None under normal conditions. No experimental studies on the product are available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation.

SECTION 3: Composition and information on ingredients

3.2 Mixtures:

This mixture does not contain any substances to be listed in accordance with the criteria in Section 3.2 of REACH Annex II.

SECTION 4: First aid measures

4.1 Description of first aid measures:

First aid in general:

Remove the victim into the fresh air. Consult a doctor if you feel unwell.

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First aid after inhalation:

In case of excessive inhalation of vapours, move the person to fresh air. Get medical attention.

First aid after contact with the skin:

Wash with plenty of water and soap. Cool skin quickly with cold water after contact with molten product. Seek medical advice/attention. Thermal burns: do not remove from the skin. Do not remove clothing if it sticks to the skin.

First aid after contact with the eyes:

Immediately flush with water for a long time while keeping eyelids wide open. Take victim to a doctor if irritation persists. In case of contact with molten product: Rinse immediately with plenty of water for 15 minutes.

First aid after ingestion:

Rinse mouth with water. Consult a physician/medical service. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed:**Symptoms/injuries:**

Not expected to present a significant hazard under anticipated normal conditions of use. When heated: Risk of thermal burns on contact with molten product.

Symptoms/injuries after inhalation:

Inhalation of fumes or vapours may cause irritation of the respiratory tract.

4.3 Indication of any immediate medical attention and special treatment needed:**Treatment:**

Treat according to symptoms (decontamination, vital signs), no specific antidote known.

SECTION 5: Fire-fighting measures**5.1 Extinguishing media:****Suitable extinguishing media:**

Foam. Dry chemical powder. Carbon dioxide. Water spray/mist.

Unsuitable extinguishing media:

Do not use a strong water jet.

5.2 Special hazards arising from the substance or mixture**Fire hazard :**

Dangerous fumes may be released.

Explosion hazard:

No data available on indirect explosion hazard.

Reactivity in case of fire:

Development of vapours.

Hazardous decomposition products in case of fire:

Carbon oxides (CO, CO₂). Dangerous fumes may be released. May be released: Calcium oxide.

5.3 Advice for firefighters:**Precautions against fire:**

Approach from upwind. Wear suitable protective clothing and gloves.

Fire-fighting instructions:

Use water spray or mist to cool exposed containers.

Protection during firefighting:

Wear self-contained breathing apparatus and protective suit (see item 8).

Other information :

Risk of thermal burns on contact with molten product.

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

If molten: allow liquid to solidify before absorbing. Body protection should be chosen depending on the activity and possible exposure, e.g. apron, protective boots, chemical protective suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dusts).

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6.1 Personal precautions, protective equipment and emergency procedures:

Protective equipment :

For more information, see section 8, "Exposure controls / personal protection".

6.2 Environmental precautions:

Environmental precautions:

Avoid release into the environment.

6.3 Methods and material for containment and cleaning up

For containment:

Wipe up any spillage as soon as possible with an absorbent material to catch it.

Cleaning methods:

Absorb spillages to prevent material damage. Absorb spillages in absorbent material, e.g.: sand, earth, vermiculite or sawdust.

Other information :

Can be dangerously slippery if spilt.

6.4 Reference to other sections:

Reference to other sections (7, 8, 13).

SECTION 7: Handling and storage:

7.1 Precautions for safe handling

Additional hazards during processing:

No specific measures are required if the product is handled in accordance with the general rules for occupational hygiene and safety.

Precautions for safe handling:

Use in accordance with good industrial hygiene and safety. Do not throw the waste down the drain.

Hygiene measures:

Do not eat, drink or smoke when using this product. Wash hands and other exposed skin areas with mild soap and water before eating, drinking, smoking or leaving work. Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures:

Eye washes and emergency safety showers should be available in the immediate vicinity of possible exposure. Ensure adequate ventilation.

Storage conditions :

Store in a cool, well-ventilated place. Protect from frost. Protect from heat and direct sunlight. Store in original container.

Incompatible products:

Strong bases. Strong acids.

Storage temperature :

Store at ambient temperature

Heat and ignition sources:

Protect from heat and direct sunlight.

Information on mixed storage:

Store away from strong oxidising agents, strong bases, strong acids.

Storage area :

Avoid direct sunlight. Protect from frost.

Special rules for packaging:

Store in a closed container.

7.3 Specific end use:

Specific use:

For the relevant identified uses listed in section 1, the advice given in section 7 should be taken into account.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

Additional information :

European Union legislation. Does not contain any components with substance-specific occupational exposure limits.

8.2 Exposure controls:

Appropriate technical measures:

Ensure that the workplace is properly ventilated.

Personal protective equipment:

None under normal conditions. Skin protection appropriate to the conditions of use must be provided.

Hand protection:

None under normal conditions. In case of contact with melted product: Gloves. Suitable chemically resistant safety gloves (EN 374) also for prolonged, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time according to EN 374): e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and others. Additional note: Specifications are based on tests, literature data and information from glove manufacturers or are derived by analogy from similar substances. Due to many circumstances (e.g. temperature) it has to be considered that the practical use of a chemical protective glove may be much shorter than the permeation time determined by tests

Eye protection:

None under normal conditions. In case of contact with molten product: Use splash goggles if eye contact by splashes is possible.

Skin and body protection:

Skin protection appropriate to the conditions of use must be provided

Respiratory protection:

None under normal conditions. In case of contact with molten product: Ensure adequate ventilation

Protection against thermal hazards:

In case of heating: Ensure that the workplace is well ventilated.

Controlling environmental exposure:

Ensure that emissions comply with all applicable air pollution regulations.

Other information:

Wash hands and other exposed skin areas with mild soap and water before eating, drinking, smoking or leaving work. Separate work clothes from city clothes. Eye washes and emergency safety showers should be available in the immediate vicinity of possible exposure. Do not eat, drink or smoke while using this product. Use in accordance with good industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical state:	solid
Appearance:	fixed.
Colour:	Brown or Grey
Odour:	Light. Waxy.
Odour threshold	Not determined
pH:	not applicable
Relative evaporation rate (butyl acetate = 1) :	<0,01
Melting point:	approx. 57°C
Freezing point:	not determined
Boiling point	260°C
Flash point:	> 121°C Cleveland Open Cup
Critical temperature:	not specified
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not determined
Flammability (solid, gas):	Not applicable

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Vapour pressure:	Not applicable
Relative vapour density at 20°C:	> 5 air = 1
Relative density	not determined
Density	1,35
Solubility: Water:	<0,1%
Log Pow:	not determined
Viscosity, kinematic	not applicable
Viscosity, dynamic	not applicable
Explosive properties:	Based on the chemical structure, there is no indication of explosive properties.
Oxidising properties:	Based on its structural properties, the product is not classified as oxidising.
Explosion limits:	not applicable
<u>9.2 Other information</u>	
Other properties:	If necessary, information on other physical and chemical parameters shall be provided in this section.
Additional information:	No further information available.

SECTION 10: Stability and reactivity

10.1 Reactivity:

None under normal conditions.

10.2 Chemical Stability:

Stable under normal operating conditions.

10.3 Potentially hazardous reactions:

No hazardous reactions if stored and handled as directed. No polymerisation.

10.4 Conditions to avoid

See chapter 7. Overheating. No flames, no sparks. Eliminate all ignition sources.

10.5 Chemically Interacting Materials:

Materials to avoid:

Acids and bases. Strong acids. Oxidising agent.

10.6 Hazardous decomposition products:

When heated to decomposition, dangerous fumes are given off. carbon oxides (CO and CO₂).

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Acute toxicity :

Not classified (Based on available data, the classification criteria are not met)

Skin corrosion/irritation:

Not classified (Based on available data, the classification criteria are not met)

pH: not applicable

Additional information :

Risk of thermal burns on contact with molten product

Serious eye damage / eye irritation:

Not classified (Based on available data, the classification criteria are not met)

pH: not applicable

Respiratory tract / skin sensitisation:

Not classified (Based on available data, the classification criteria are not met)

Additional information :

Vapours are irritating to the respiratory tract

Mutagenicity in germ cells:

Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity:

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Not classified (Based on available data, the classification criteria are not met)

Toxicity for reproduction:

Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure):

Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (repeated exposure):

Not classified (Based on available data, the classification criteria are not met)

Danger by inhalation:

Not classified (Based on available data, the classification criteria are not met)

Possible adverse effects on human health and symptoms:

None known.

Other information :

When used and handled according to specifications, the product has no harmful effects according to our experience and the information provided to us. No experimental studies on the product are available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation.

SECTION 12: Ecological information

12.1 Toxicity:

Ecology - general:

Not expected to present a significant hazard under anticipated normal conditions of use. No experimental studies on the product are available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation.

Ecology - air:

The product does not contain any substances listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

Ecology - water:

Do not pour into groundwater, surface water or sewers.

12.2 Persistence and Degradability:

Persistence and degradability:

Not established.

Biodegradation:

Not determined

12.3 Bioaccumulation:

Log Pow:

Not determined

Bioaccumulative potential :

Not established.

12.4 Mobility in Soil:

Mobility in soil:

Not determined

Ecology - soil:

No information available on this product.

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Other Harmful Effects:

Other adverse effects:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Additional information :

No other effects known. The product has not been tested. The statement is derived from the properties of the individual components.

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SECTION 13: Instructions for disposal

13.1 Waste treatment methods:

Regional legislation (waste):

Dispose of waste in accordance with local and/or national regulations.

Waste treatment methods:

Collect all waste in suitable and labelled containers and dispose of it according to local legislation.

Recommendations for waste water disposal:

Do not discharge into drains or the environment.

Recommendations for disposal of products / packaging:

Non-contaminated packaging may be re-used. Packagings that cannot be cleaned should be disposed of in the same manner as their contents. Empty containers should be disposed of for recycling, recovery or disposal in accordance with local regulations.

Additional information :

Treat uncleaned empty containers as full ones. Empty containers should be disposed of for recycling, recovery or disposal in accordance with local regulations.

Ecology - waste:

Empty containers should be thoroughly rinsed with large amounts of clean water. Avoid discharging into the environment.

SECTION 14: Information relating to carriage

14.1 UN number

Not regulated as dangerous substance

14.2 Proper load name according to UN Model Regulations

Not regulated as dangerous substance

14.3 Transport hazard class(es)

Not regulated as dangerous substance

14.4 Packing group

Remarks : IMDG Code segregation group - none

Not regulated as dangerous substance

14.5 Environmental hazards

Not regulated as dangerous substance

14.6 Special precautions for the user

Not applicable

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

Not applicable for product as supplied.

SECTION 15: Legally required information

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

EU regulations

Does not contain any REACH restricted substances of Annex XVII

Does not contain a substance on the REACH Candidate List

Does not contain REACH Annex XIV substances

Other information requirements, restrictions and prohibitions

No further information available. This in no way exempts the user from knowing and applying all the regulations applicable to their activity. It is the sole responsibility of the user to take all necessary precautions when handling the product.

National regulations

Users must ensure that they comply with all relevant local, provincial or national legislation.

15.2 Chemical safety assessment:

Chemical safety assessments have not been carried out for substances in this mixture.

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SECTION 16: Other information

Full text of the H statements

Not applicable

Full text of other abbreviations

Not applicable

Further information

Training recommendations:

Provide good information, instruction and training for users.

The information in this safety data sheet is correct to the best of our knowledge at the date of issue indicated. This information is intended only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a guarantee or indication of quality. The information relates only to the product referred to herein and is not valid when used in conjunction with other products or in any other process, unless specified in the text.