

# SAFETY DATA SHEET

According to directive 1907/2006 / EC, 2015/830

Edition: July 2016

Trade name: Aves® Paper Mache™

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

### **1.1 Product identifier**

Product name: Aves® Paper Mache™

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

Use of the Substance/Mixture: Sculpting & Modeling

### **Product Description:**

Multi-purpose, professional quality, powdered maché product. White in color and virtually odorless. Designed to be mixed with water to set solid in 30 minutes. Hard when fully cured (1-4 days dependent on project size and drying conditions). For use on all conventional and hand lay-up applications.

### **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](http://www.assyst.org) / [www.artsuppliesonweb.com](http://www.artsuppliesonweb.com)  
Email: [ao@assyst.org](mailto:ao@assyst.org) / [vera.opsommer@assyst.org](mailto:vera.opsommer@assyst.org)

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

Emergency telephone number: Only for professional rescuers in case of emergencies.  
For Belgium: Poison Center: 070 / 245.245  
NHS Direct England or Wales: +44 0845 4647  
NHS 24 Scotland (UK only): +44 08454 242424

## **SECTION 2. Hazards identification**

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

#### **Classification according to Directive (EC) No. 1272/2008 and its amendments.**

According to the Globally Harmonized Standard for Classification and Labeling (GHS), this product should be handled with care to avoid dust generation (<1% crystalline silica)

Eye irritation – Category 2B

Carcinogenicity - Product contains trace levels of Crystalline silica (<1%) a Class I Carcinogen

### **2.2 Label elements**

**Labeling according to regulation (EC) No 1272/2008 [CLP / GHS]: not applicable.**



### **Hazard pictograms:**

**Warning:** Components contain trace levels of crystalline silica. Crystalline silica is an inhalation hazard when airborne dust is created.

**Hazard statements:** H373 - may cause damage to lung through prolonged or repeated inhalation.  
H320 - Causes eye irritation

**Precautionary Statements:** P101 – If medical advice is needed, we have product container or label at hand.  
P102 – Keep out of reach of children.  
P103 – Read label before use.

**Prevention:** P261 – Avoid breathing dust.

**Response:** P302+P352 – If on skin: wash with plenty of water.  
P333+P313 – If skin irritation or rash occurs: Get medical advice / attention.  
P305+P351+P338 – If in eyes: Rinse cautiously with water for several

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minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 – If eye irritation persists: Get medical advice / attention.

## 2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: not applicable.

There is no additional information.

## SECTION 3. Composition/information on ingredients

### 3.2 Mixture

Component	wt %	CAS registry number
Aluminum Silicate	<1 - 5	1318-74-7
Magnesium Silicate Hydrate	3 - 6	14807-96-6
Calcium Sulfate	50 - 80	26499-65-0
Crystalline Silica (*)	<0.8	14808-60-7
Polysaccharide	3 - 4	9004-53-9
Expanded Perlite	5 - 10	93763-70-3
Polyolefin	0.1 – 3.0	9002-88-4
powdered Cellulose	1 - 6	9004-34-6

\*Exists as a trace component in some of the ingredients. The weight percentage provided is the sum of all ingredients identified maximum crystalline silica contents.

## SECTION 4. First aid measures:

### 4.1 Description of first aid measures

#### INHALATION:

Product presents an inhalation hazard as a dust prior to mixing with water and solidifying and during any sanding of finished hardened item. Dust is expected to be alkaline and hygroscopic (water absorbing) based on composition. If user experiences respiratory irritation from the dust, seek medical attention.

#### EYE CONTACT:

Remove contact lens (if present). Rinse eyes immediately with plenty of clean water for at least 15 minutes. If necessary, gently hold the eyelid open during the flush. If eye irritation persists, seek medical attention.

#### SKIN CONTACT:

Dry material is alkaline and hygroscopic. Both dry powder and wet mix may be irritating to the skin through dehydration. Wash hands after use if not using gloves. Apply a hand crème if dryness is noted. If irritation persists, seek medical attention. Product is not expected to be allergenic.

#### INGESTION:

Not a significant route of exposure. If accidentally ingested, do not induce vomiting. If a significant amount was ingested, give water by mouth to control set up. Seek immediate medical attention. Blockage may require surgical procedures.

### 4.2 Most important symptoms and effects, both acute and delayed

This set of products is designed to be safe and non-hazardous used as directed. Designed for use by children ages 5 and up in an adult supervised setting.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5. Fire fighting measures

### 5.1 Extinguishing media

Suitable extinguishing agents: Water fog or fine spray; dry chemical fire extinguishers; carbon dioxide fire extinguishers; foam; alcohol resistant foams (ATC type).

Unsuitable extinguishing media: None.

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## 5.2 Special hazards arising from the substance or mixture

Product is predominantly inorganic and not likely to support combustion.

### **FURTHER INFORMATION:**

During a fire, smoke may contain the original material in addition to combustion products which might be more irritating.

### **HAZARDOUS COMBUSTION PRODUCTS:**

Carbon monoxide and carbon dioxide.

## 5.3 Advice for firefighters

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. For small outdoor fires, which may be easily extinguished with a portable fire extinguisher, use of protective equipment is generally unnecessary.

## **SECTION 6. Accidental release measures**

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

Provide adequate ventilation. Evacuate unnecessary personnel. Use the required personal protective equipment. Avoid dust formation.

### 6.2 Environmental precautions

Avoid infiltration and / or spillage in drains, water surface, in groundwater

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

### **LAND SPILL RESPONSE:**

The product is a dry powder. Shovel spilled material into a container for disposal. Dispose of in accordance with local regulatory requirements.

### **WATER SPILL:**

The product is a dry powder meant to be mixed with water to form a work hard material. Depending on how the dry powder is introduced into the water body, it may disperse or it may form a solid material that can be recovered from the bottom of the water body.

### **RECOMMENDED DISPOSAL:**

Not a U.S. Environmental Protection Agency RCRA hazardous waste unless mixed with something that would render it hazardous.

### 6.4 Reference to other sections

For information on safe handling, see section 7. For personal protective equipment to be used, see section 8. For disposal after cleaning, see section 13.

## **SECTION 7. Handling and storage**

### 7.1 Precautions for safe handling

### **HYGIENE MEASURES**

Use in accordance with good industrial hygiene and safety. Do not eat, drink or smoke during use. Wash your hands and other exposed areas of skin with mild soap and water before eating or drinking and leaving work. Contaminated work clothing must not be left outside the workshop.

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

### **STORAGE TEMPERATURE:**

Ambient

### **STORAGE PRESSURE:**

Atmospheric

### **GENERAL:**

Adding water to the dry product will cause it to solidify. Store in a dry location.

### 7.3 Specific end use(s)

No further information available.

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## **SECTION 8. Exposure controls/personal protection**

### **8.1 Control parameters**

NOTE: This information is a composite of Parts A and B which are designed to be combined.

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

### **EXPOSURE LIMITS 8 hrs TWA (ppm)**

Component	OSHA PEL	ACGIH TLV	Australian Std	NIOSH REL
Perlite	15 mg/m <sup>3</sup> Total 5 mg/m <sup>3</sup> Resp.	withdrawn for insufficient data	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> Total 5 mg/m <sup>3</sup> Resp.
Nuisance Dust - (applies to silicates, polysaccharide)	15 mg/m <sup>3</sup> Total 5 mg/m <sup>3</sup> Resp.	10 mg/m <sup>3</sup> Total 5 mg/m <sup>3</sup> Resp.	None Established	None established
Kaolin (aluminum silicate)	15mg/m <sup>3</sup> Total 5 mg/m <sup>3</sup> Resp.	2mg/m <sup>3</sup> Resp.	10mg/m <sup>3</sup>	10mg/m <sup>3</sup> Total 5 mg/m <sup>3</sup> Resp.
Crystalline silica (*)	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>	0.05mg/m <sup>3</sup>
Calcium sulfate	15 mg/m <sup>3</sup> Total 5 mg/m <sup>3</sup> Resp.	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> (**)	10 mg/m <sup>3</sup> Total 5 mg/m <sup>3</sup> Resp.
Cellulose (fine grained)	15 mg/m <sup>3</sup> Total 5 mg/m <sup>3</sup> Resp.	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> Total 5 mg/m <sup>3</sup> Resp.
Polyolefin	15 mg/m <sup>3</sup> Total 5 mg/m <sup>3</sup> Resp.	10 mg/m <sup>3</sup> Total 3 mg/m <sup>3</sup> Resp.	None Established	None Established

\* Exists as a contaminant in some ingredients.

\*\* Established for calcium sulfate with less than 1% crystalline silica and no asbestos.

### **8.2 Exposure controls**

#### **Personal protection measures, such as personal protective equipment**

In all situations when handling the product, the user must use appropriate individual protective equipment as indicated below:

#### **Eyes / face protection:**

Wear safety goggles in case of dust dispersion.

#### **Hand protection:**

Wear protective gloves that are polymeric (nitrile or latex) when working with wet or dry product if skin irritation occurs.

#### **Body protection:**

In case of skin sensitization, use protective gloves, wear suitable long-sleeved work clothes.

#### **Respiratory protection:**

Wear dust mask if sanding cured/finished material. Pre-mixed product can be an inhalation hazard if airborne dust is created. Once product is mixed with water, it is no longer a dust inhalation hazard unless sanded.

## **SECTION 9. Physical and chemical properties**

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

Vapor Pressure:	Not Applicable
Vapor Density:	Not Applicable
Specific Gravity:	Unknown
Evaporation Rate:	Not Applicable
Solubility in Water:	Negligible
Freezing Point:	Not applicable
Odor:	None.
pH:	Not applicable
Appearance:	White granular
Boiling Point:	Not Applicable
Physical State:	Solid
Viscosity:	Not applicable
Flash point:	Not applicable
Flammable Range:	Not Applicable

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## 9.2 Other information

No further relevant information available.

## **SECTION 10. Stability and reactivity**

### 10.1 Reactivity

No dangerous reactions known under normal conditions of use

### 10.2 Chemical stability

Product is stable.

### 10.3 Possibility of hazardous reactions

None under normal circumstances.

### 10.4 Conditions to avoid

None under normal circumstances.

### 10.5 Incompatible materials

Acids, diazomethane, aluminum, and phosphorus.

### 10.6 Hazardous decomposition products

Carbon dioxide, carbon monoxide.

## **SECTION 11. Toxicological information**

### 11.1 Information on toxicological effects

TOXICITY TO ANIMALS:

Component	Acute Test	Value	Species
Calcium sulfate	LD50 – oral	>5000 mg/kg	Rat
Perlite	LD50 – oral	>10,000 mg/kg	Guinea Pigs & Rats
Perlite	NOAEL – inhalation	226 mg/m3	Guinea Pigs & Rats
Magnesium silicate hydrate	LD50 – oral	>10,000 mg/kg	Rat
Magnesium silicate hydrate	LD50 – dermal	>10,000 mg/kg	Rabbit
Cellulose	LD50 – oral	>5,000 mg/kg	Rat
Cellulose	LD50 – dermal	>2,000 mg/kg	Rabbit

### **ROUTES OF ENTRY:**

Skin contact and eye contact; respiratory contact as a dust; ingestion as a solid.

### **CHRONIC EFFECTS ON HUMANS:**

Because plaster of paris (calcium sulfate) hardens after absorbing moisture, its ingestion may result in obstruction, particularly at the pylorus (bottom of the stomach). To delay the "setting up" drink large volumes of water until medical treatment can be obtained. Surgical relief may be required. Calcium sulfate caused no lung disease in calcium sulfate miners (ACGIH, 1991). Health surveillance studies of workers in U.S. perlite mines and expansion plants with some exposures above OELs conducted over 20 years indicate that the respiratory health of workers is not adversely affected. Chronic exposure to magnesium silicate hydrate can lead to accumulation in the lungs, as in the pneumoconiosis called "Talcosis".

### **EYES:**

Dust is abrasive and alkaline and will irritate eyes if exposure to the dust is prolonged.

### **SKIN:**

Dust is abrasive, alkaline, and hygroscopic and will irritate skin if direct contact is prolonged. Dust is not expected to be allergenic.

### **INGESTION:**

Hazard presented by ingestion is expected to be physical blockage rather than gastrointestinal problems.

Ingestion of large quantities could result in serious blockage resulting in surgical procedures being required to remove the hardened material.

### **INHALATION:**

Ingredients in this product contain crystalline silica as a contaminant. Inhalation of dust containing crystalline silica may result in silicosis, a progressive, disabling, and sometimes fatal disease. The International Agency for

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Research on Cancer has determined that crystalline silica is carcinogenic to humans (Group I - carcinogenic to humans). Handling the product as directed is not likely to produce significant dust. Product is designed to be mixed with water which eliminates a dust hazard. Sanding the hardened item will produce some dust, however, the crystalline silica content is low and sanding is not expected to cause a measurable crystalline silica exposure.

## **SECTION 12. Ecological information**

### **12.1 Toxicity**

Component	Acute Test	Value	Species
Bluegill fish	LC50 - 96 hrs	2,980 mg/L	Calcium Sulfate
Western mosquito fish	LC50 - 96 hrs	56,000 mg/L	Calcium Sulfate
Fathead Minnow	LC50 - 96 hrs	1,970 mg/L	Calcium Sulfate
Diatom	LC50 - 96 hrs	3,200 mg/L	Calcium Sulfate
Water flea	LC50 - 96 hrs	1,940 mg/L	Calcium Sulfate

Ecological information is limited but components are not considered acutely toxic. Not expected to be chronically toxic.

### **12.2 Persistence and degradability**

Hardened product is stable and does not biodegrade in air or water.

### **12.3 Bioaccumulative potential**

No further information available.

### **12.4 Mobility in soil**

No further information available.

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

This substance does not meet the criteria for classification as PBT or vPvB.

### **12.6 Other adverse effects**

No further information available.s

## **SECTION 13. Disposal considerations**

### **13.1 Waste treatment methods**

Disposal should be done in a safe manner, in accordance with procedures laid down in national / regional laws. Avoid spreading the product into the environment.

When completely empty, the containers are recyclable like any other packaging and must be disposed of in accordance with local administrative regulations.

Waste must be separated according to categories that can be treated separately from local or national waste management facilities. Consult the relevant national or regional requirements.

## **SECTION 14. Transport information**

### **14.1 UN number**

Not regulated as a dangerous good

### **14.2 UN proper shipping name**

Not regulated as a dangerous good

### **14.3 Transport hazard class(es)**

Not regulated as a dangerous good

### **14.4 Packing group**

Not regulated as a dangerous good

### **14.5 Environmental hazards**

Not regulated as a dangerous good

### **14.6 Special precautions for user**

Not applicable

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

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Not applicable for product as supplied.

## **SECTION 15. Regulatory information**

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

The mixture is classified as not hazardous according to Regulation (EC) No. 1272/2008 (CLP).

Regulation 649/2012 / EU on the export and import of dangerous chemicals (PICs) not listed.

Regulation 1005/2009 / EU on substances that deplete the ozone layer - not listed.

Regulation 850/2004 / EC on persistent organic pollutants (POPs) - not listed.

Restriction Annex XVII - not listed.

Restriction under REACH, Title VIII - not listed

### **15.2 Chemical Safety Assessment**

No chemical safety assessment has been carried out.

## **SECTION 16. Other information**

The data and information contained in this sheet are the result of the knowledge available at the date of publication. The company is not liable for damage to persons or property that may result from the use of the substance other than for which it is intended. The card does not replace, but integrates the texts or rules governing the user's activity. The user is fully responsible for the precautions necessary to use the product.

### **Relevant phrases (code and full text as indicated in chapters 2 and 3)**

H373 - may cause damage to lung through prolonged or repeated inhalation.

H320 - Causes eye irritation

### **Disclaimer of liability**

The information on this sheet corresponds to our knowledge at the time of going to print. This information is intended to provide you with information about the safe use of the product identified on the safety data sheet for storage, handling, transportation and disposal. The indications have no value for other products. If the product is mixed with other materials or processed, the information in the safety data sheet is indicative of the new material only.