



Safety Data Sheet Plaster of Paris

Revision: Number 5
Date 20 October 2020

SECTION 1 Product & Supplier Identification

Product Name	Plaster of Paris
Other Names	None
Product Code	PLAST3
Barcode Number	
Recommended Use	Modelling medium to be mixed with water for arts and crafts.
Restrictions on Use	None known
Company	Educational Colours Pty Ltd
ABN	61 005 708 967
Address	2/43 Burgess Road, Bayswater, VIC, Australia 3153
Telephone	+61 3 9729 0788
Supplier Code	
Emergency Phone Number	Australia – 13 11 26 (Poisons Information Centre)

SECTION 2 Hazards Identification

Classification of the hazardous chemical

Physical hazards	Not classified
Health hazards	Not classified
Environmental hazards	Not classified

Label elements, including precautionary statements

Hazard symbols	None
Signal word	None
Hazard Statements	The mixture does not meet the criteria for classification.

Precautionary statements

Prevention	Observe good industrial hygiene practices.
Response	Wash hands after use.
Storage	Store in well ventilated place. Keep container tightly closed.
Disposal	Dispose of contents and container in accordance with local regulations.

SECTION 3 Ingredient Composition / Information

<u>Chemical Entity</u>	<u>CAS No.</u>	<u>Proportion (to 100%)</u>
Non-hazardous components		to 100 %

SECTION 4 First Aid Measures

Description of necessary first aid measures

Eye	Irrigate with copious quantities of water for at least 15 minutes, lifting eyelids occasionally. Seek medical attention.
Skin	Remove any contaminated clothing and wash off with soap and water. If any symptoms arise seek medical attention.
Inhalation	Move to a well ventilated area. Seek medical attention if symptoms persist.
Swallowed	Rinse mouth with water. Do not induce vomiting. Seek medical attention.

Personal protection for first aid responders

Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

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Symptoms caused by exposure

Inhalation	May cause respiratory irritation and coughing.
Skin	May cause irritation, redness, pain and rash.
Eye	May cause eye irritation, tearing, pain and redness.
Swallowed	May cause gastrointestinal irritation, nausea, vomiting, headache.

Medical attention and special treatment

Drinking glycerine, gelatin solutions or large volumes of water may delay the hardening of this product in the stomach. Surgical relief of obstruction may be required.

SECTION 5 Fire Fighting Measures

Extinguishing equipment

Suitable	Water, fog, foam, dry chemical powder, carbon dioxide. When choosing extinguishing equipment be aware of any potential hazard(s), example electrical.
Unsuitable	Anything that could spread the fire and or risk the safety of surrounding personnel.

Specific hazards arising from the chemical

Non flammable. No explosion hazard exists. May evolve gases hazardous to health.

Specific protective equipment and precautions for fire fighters

Self-contained breathing apparatus (SCBA) and full protective clothing (PPE) must be worn in case of fire.

Hazchem Code Not available.

General fire hazards No unusual fire or explosion hazards known.

SECTION 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep unnecessary personnel away and upwind of spill. Wear appropriate protective equipment and clothing during clean up. Contain spill to prevent contamination to drains / water ways. Local authorities should be contacted if spill cannot be contained. Collect and seal in clearly and properly labelled containers for disposal in accordance with local regulations. Heed advice under Section 8 "Personal Protection".

For emergency responders

Keep unnecessary people away. Wear appropriate dust/particulate respirator and full protective clothing. Do not breath dust and ensure adequate ventilation. Avoid generating dust. Heed advice under Section 8 "Personal Protection".

Environmental precautions

Avoid discharge to drains, water ways or onto the ground.

Methods and materials for containment and clean up

Large spills – Avoid or minimise dust. Use industrial vacuum to clean up spill. If vacuuming is not workable then wet mop is acceptable. Collect and seal in a bag or container that prevents fibre or dust emission and properly label for disposal in accordance with local regulations.

Small spills – Clean up with wet cloth or mop.

Never return spills to original container for re-use.

SECTION 7 Handling & Storage

Precautions for safe handling

Wear appropriate personal protective equipment. Observe good industrial hygiene practices to avoid skin or eye contact and inhalation of dust. Use equipment that helps to minimise dust. Any equipment that does generate dust, needs to have exhaust extraction or other

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effective local extraction. Work areas should be cleaned regularly to remove any build up of fibres and/or dust. Always wash hands after use. Do not eat, smoke or drink when handling this product.

Conditions for safe storage, including any incompatibilities

Store in a dry, cool, sheltered location away from direct sunlight and sources of heat. Keep containers tightly closed at all times when not in use. Store in clearly labelled containers.

SECTION 8 Exposure Controls / Personal Protection

Occupational exposure limits (OEL's)

No OEL's noted for this product. However, for individual components,

Carbonic acid, calcium salt	471-34-1	10 mg/m ³ (TWA)
Quartz silica (respirable dust)	14808-60-7	0.1 mg/m ³ (TWA)

Biological limit values

No biological exposure values noted for this product.

Appropriate engineering controls

Use in a well ventilated area. If required use local exhaust ventilation. Provide an eyewash station.

Individual protection measures, for example personal protective equipment (PPE)

Eye protection

Wear safety goggles that protect against dust.

Skin protection

Wear impervious gloves.

Respiratory protection

Wear an appropriate dust mask that meets relevant Australian standards. The mask should protect against mechanically generated particulates for example silica.

Hygiene measures Use and maintain good industrial hygiene. Always wash hands after use. Routinely maintain safety equipment. Do not eat, smoke or drink when handling this product.

SECTION 9 Physical & Chemical Properties

Appearance	White powder.
Odour	Low odour
Odour threshold	Not available
pH	Not applicable
Melt point / freeze point	Not available
Hardening time	30 – 60 minutes
Flash point	Not available
Flammability	Not flammable
Vapour Pressure	Not available
Vapour Density	Not available
Relative density	Not available
Solubility in water	Low
Specific Gravity	2.60 – 2.70

SECTION 10 Stability & Reactivity

Reactivity Product is considered non-reactive under normal conditions of use, storage and transport.

Chemical stability Product is considered stable at ambient temperature and under normal conditions of use.

Possibility of hazardous reactions

Hazardous polymerisation will not occur.

Conditions to avoid Heat, naked flames and other sources of ignition.

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Incompatible materials

Aluminium (heated), diazomethane, phosphorous (at high temp) and oxidising agents.

Hazardous decomposition

If in a fire product may give rise to the release of obnoxious fumes including oxides of carbon and sulphur.

SECTION 11

Toxicological Information

Information on possible routes of exposure

- Inhalation** Minor irritation may be expected in some individuals.
Skin contact Minor irritation may be expected in some individuals.
Eye contact Minor irritation may be expected in some individuals.
Ingestion Expected to be low ingestion hazard.

Acute Health Effects

- Inhalation** May cause respiratory irritation and coughing.
Skin May cause irritation, redness, pain and rash.
Eye May cause eye irritation, tearing, pain and redness.
Ingestion May cause gastrointestinal irritation, nausea, vomiting, headache and diarrhoea

Skin corrosion / irritation

Based on classification principles, the classification criteria are not met.

Serious eye damage / irritation

Based on classification principles, the classification criteria are not met.

Respiratory or skin sensitisation

Based on classification principles, the classification criteria are not met.

Carcinogenicity

Silica dust, crystalline, in the form of quartz or cristobalite is classified by IARC as a Group 1 – Carcinogenic to humans.

Aspiration hazard

Based on classification principles, the classification criteria are not met.

Reproductive toxicity

Based on classification principles, the classification criteria are not met.

Chronic Health Effects

The prolonged and repeated exposure (by inhalation) to respirable (crystalline) silica causes silicosis, a debilitating lung disease.

Additional Information

This product does NOT contain,
Egg, dairy, soy, seafood, shellfish, wheat or peanut products, by-products or derivatives.

SECTION 12

Ecological Information

Ecotoxicity

No specific data is available for this product. However, do not release this product or any water contaminated with this product into drains, soils or waterways. Sufficient measures should be taken to retain the water used in extinguishing any fires involving this product. Dispose of contaminant in accordance with local landfill or incineration regulations.

Persistence and degradability

No specific data available.

Bio accumulative potential

No specific data available.

Mobility in soil

No specific data available.

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SECTION 13

Disposal Considerations

Disposal methods Dispose of this product and any water contaminated with this product in accordance with local regulations.

Contaminated packaging

The container in which the product is/was contained should also be disposed of in accordance with local regulations.

SECTION 14

Transport Information

ADG Not regulated as dangerous goods.

IMDG Not regulated as dangerous goods.

Special Precautions No special precautions or requirements for transport

SECTION 15

Regulatory Information

Safety, health and environmental regulations

This Safety Data Sheet was prepared in accordance with Safe Work Australia's Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Not allocated

AICS All components are listed in the Australian Inventory of Chemical Substances.

SECTION 16

Other Information

Reason for Revision Review and update information in accordance with GHS requirements.

TWA The TWA (Time Weighted Average) exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded even briefly.

ADG Australian Dangerous Goods Code

AICS Australia Inventory of Chemical Substances

IMDG International Maritime Dangerous Goods Code

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