SECTION 1  Product & Supplier Identification

Product Name  Plaster of Paris
Other Names
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

<table>
<thead>
<tr>
<th>Chemical Entity</th>
<th>CAS No.</th>
<th>Proportion (to 100%)</th>
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</thead>
<tbody>
<tr>
<td>Non-hazardous components</td>
<td></td>
<td>to 100 %</td>
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</table>

SECTION 4  First Aid Measures

Description of necessary first aid measures
   Eye  Irrigate with copious quantities of water for atleast 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.
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Personal protection for first aid responders
Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

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 and diarrhoea

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 not 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 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/m³(TWA)
Quartz silica 14808-60-7 0.1 mg/m³(TWA) (respirable dust)

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 wash and maintain safety equipment and clothing. 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
This product is considered non-reactive under normal conditions of use, storage and transport.

Chemical stability
This 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.

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.

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.

Acronyms:

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.