



## MATERIAL SAFETY DATA SHEET GYPSUMBOARD

### 1. IDENTIFICATION

PRODUCT NAME : GYPSUMBOARD

### 2. MANUFACTURER

COMPANY : PT. APLUS PACIFIC  
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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>MATERIALS</u>	<u>CAS NUMBER</u>	<u>PROPORTION</u>
CALCIUM SULFATE DIHYDRATE:	13397-24-5	> 80%
CRYSTALLINE SILICA :	14808-60-7	< 5%
CALSIMUM CARBONATE :	1317-65-3	<10%

### 4. HAZARDS IDENTIFICATION

This product is not expected to produce any unusual hazards during normal use. Exposure to high dust levels may irritate the skin, eyes, nose, throat, or upper respiratory tract. This product does not present an inhalation, ingestion, or contact health hazard unless subjected to operations such as sawing, sanding or machining which result in the generation of airborne particulate. This product contains quartz (crystalline silica) as a naturally occurring contaminant.

### 5. FIRST AID MEASURES

Skin Contact : Exposure is considered unlikely. Skin irritation is not anticipated.



- Eye Contact : If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
- Inhalation : If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
- Ingestion : Never give anything by mouth to an unconscious or convulsing person. If ingested, have the conscious victim drink 4 - 8 oz of milk or water. Seek medical attention if conditions persist.

## 6. FIRE FIGHTING MEASURES

Not applicable, non-combustible material. No fire or explosion hazard exists.

## 7. ACCIDENTAL RELEASE MEASURES

- a. Avoid creating airborne dust conditions. Clean up methods such as vacuuming with an appropriate filter or wet mopping minimizes dust dispersion.
- b. Place spilled material into a suitable container for disposal or reclamation.

## 8. HANDLING AND STORAGE

- Handling : Handle with care and use appropriate control measures. Keep bulk gypsum dry until used.
- Storage : Dry and well ventilated area. Avoid moisture to prevent hardening

## 9. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Exposure Standards : All occupational exposures to atmospheric contaminants should be kept to as low a level as workable (practiceable) and in all cases to below the National standard.
- Engineering Controls : Engineering Controls: Avoid generating dust. Work areas should be cleaned regularly by wet sweeping or vacuuming. If generating dust cannot be avoided, see personal protection recommendation below.
- Ventilation : Where practical, suitable means of dust collection/ suppression should be applied as necessary to maintain acceptable airborne dust levels. Persons with a history of respiratory illness or reduced pulmonary function should avoid work places with high dust levels.



### Personal Protection

- Respiratory Protection : under ordinary conditions no respiratory protection is required. Wear NIOSH approved respirator that is properly fitted and is in good condition when exposed to dust above exposure limits.
- Eye Protection : Protective eye glasses & goggles must be worn if dust likely to be generated.
- Hand Protection : Wear protective clothing such as gloves, boots and apron. Wash hand thoroughly after handling.

## 10. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Paper covered white solid  
Physical state : Solid (powder)  
Odour : Slight odour  
Ph : Not Relevant  
Vapour Pressure : Not Relevant  
Vapour Density : Not Relevant  
Boiling Point : Not Relevant  
Melting Point : Not Relevant  
Evaporation Rate : Not Relevant  
Solubility (Water) : 0.2%  
Flammability : Non-flammable  
Flash Point : Not Relevant  
Specific Gravity : Not Available

<u>Mineral</u>	<u>Mineral Formula</u>	<u>Mineral Composition</u>
Gypsum	CaSO <sub>4</sub> 2H <sub>2</sub> O	Hydrous calcium sulfate
Calcite	CaCO <sub>3</sub>	Calcium Carbonate
Clays Minerals	(Mg, Al) Si <sub>3</sub> O <sub>12</sub>	Magnesium Aluminium Silicate
Quartz	SiO <sub>2</sub>	Silicon Dioxide

## 11. STABILITY AND REACTIVITY

- Chemical Stability : Chemically stable
- Incompatibility : Gypsum is incompatible with acids. Gypsum contains silicates which may react with powerful oxidizers such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride and oxygen difluoride.



- Material to avoid : Compatible with most commonly used materials
- Hazardous Reactions : Polymerization will not occur
- Hazardous decomposition products : Decomposes to sulfur oxide and calcium oxide

## 12. TOXICOLOGICAL INFORMATION

- Eye Contact : Due to product form and nature of use, an eye hazard is not anticipated. Product may only present a hazard if dust is generated. Contact may result in mechanical irritation.
- Skin : Low irritant. Prolonged or repeated contact may result in mild irritation due to mechanical action.
- Ingestion : Ingestion is considered unlikely due to product form.
- Inhalation : Exposure considered unlikely. An inhalation hazard is not anticipated unless cut, drilled or sanded with dust generation, which may result in irritation of the nose and throat.

## 13. ECOLOGICAL INFORMATION

This product has no known adverse effect on ecology. Toxicity studies of gypsum performed with fish, aquatic invertebrates and aquatic plants showed no toxic effect.

## 14. DISPOSAL CONSIDERATIONS

Dispose of material in accordance with Federal, State and Local regulations. Never discharge directly into sewers or surface water. Consult with environmental regulatory agencies for guidance on acceptable disposal practices.

## 15. TRANSPORT INFORMATION

This product is not classified as dangerous for road transport, inland shipping transport, sea shipping transport and air transport.



## **16. REGULATORY INFORMATION**

This product is manufactured article, not a substance nor a preparation. According to the Indonesia regulations, no label is required.

## **17. OTHER INFORMATION**

The information contained herein is based on the present state of our knowledge. Such information is to the best of our knowledge. However, no representation, warranty or guarantee is made to the accuracy, reliability or completeness of the information.

It is the responsibility of the user of the product to ensure to his satisfaction that the product is suitable for the intended purpose and method of use. We do not accept liability for any loss or damage that may occur from the use of this information.