



MATERIAL SAFETY DATA SHEET **APLUS 220 PLASTER BATA RINGAN**

1. IDENTIFICATION

PRODUCT NAME : **PLASTER BATA RINGAN (APLUS 220)**
PACKING SIZE : 40 KG / BAG

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> |
|-------------------------|--------------------------|--------------------------|
| PORTLAND CEMENT | : 65997-15-1 | 40 – 70% |
| GYPSUM | : 13397-24-5 | 20 – 50% |
| LIMESTONE | : 1317-65-3 | > 15% |
| CRYSTALLINE SILICA | : 14808-60-7 | 3 – 5% |
| ADDITIVES | : Proprietary | > 5% |

4. HAZARDS IDENTIFICATION

Portland Cement is a powder that poses little immediate hazard. A single short-term exposure to the dry powder is not likely to cause serious harm. However, exposure of sufficient duration to wet Portland Cement can cause serious, potentially irreversible tissue (skin or eye) destruction in the form of chemical (caustic) burns, including third degree burns. The same type of tissue destruction can occur if wet or moist areas of the body are exposed for sufficient duration to dry Portland Cement.

5. FIRST AID MEASURES

Skin Contact : Wash skin with cool water and pH-neutral soap or a mild detergent intended for use on skin. Seek medical treatment in all cases of prolonged exposure to wet cement, cement mixtures, liquids from fresh cement products, or prolonged wet skin exposure to dry cement.



- Eye Contact : Immediate flush eyes thoroughly with water. Continue flushing eye for at least 15 minutes including under lids, to remove all particles. Call physician immediately.
- Inhalation : Remove to fresh air. Seek medical help if coughing and other symptoms do not subside.
- Ingestion : Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.

6. FIRE FIGHTING MEASURES

Not applicable, non-combustible material. Self-contained breathing apparatus is recommended to limit exposure to combustion products when fighting any fire.

7. ACCIDENTAL RELEASE MEASURES

Collect dry material using a scoop. Avoid actions that cause dust to become airborne. Avoid inhalation of dust and contact with skin. Wear appropriate personal protective equipment as described in point 8.

Scrape up wet material and place in appropriate container. Allow the material to “dry” before disposal. Do not attempt to wash mortar down drains.

Dispose of waste material according to local, state, and federal regulations.

8. HANDLING AND STORAGE

Keep mortar dry until used. Normal temperatures and pressures do not affect the material. Promptly remove dusty clothing or clothing which is wet with cement fluids and launder before reuse. Wash thoroughly after exposure to dust or wet cement mixtures or fluids.

9. EXPOSURE CONTROLS / PERSONAL PROTECTION

Skin Protection : Prevention is essential to avoid potentially severe skin injury. Avoid contact with unhardened (wet) Cement products. If contact occurs, promptly wash affected area with soap and water. Where prolonged exposure to unhardened Cement products might occur, wear impervious clothing and gloves to eliminate skin contact. Where required, wear boots that are impervious to water to eliminate foot and ankle exposure.

Do not rely on barrier creams. Barrier creams should not be used in place of gloves.



Periodically wash areas contacted by dry Cement or by wet cement or fluids with a pH neutral soap. Wash again at the end of the work. If irritation occurs, immediately wash the affected area and seek treatment. If clothing becomes saturated with wet cement, it should be removed and replaced with clean dry clothing.

- Respiratory Protection : Avoid actions that cause dust to become airborne. Use local or general ventilation to control exposures below applicable exposure limits.
- Ventilation : Use local exhaust or general dilution ventilation to control exposure within applicable limits.
- Eye Protection : When engaged in activities where cement dust or wet cement could contact the eye, wear safety glasses with side shields or goggles. In extremely dusty environments and unpredictable environments, wear unvented or indirectly vented goggles to avoid eye irritation or injury. Contact lenses should not be worn when working with Cement or fresh cement products.

10. PHYSICAL AND CHEMICAL PROPERTIES

- Form : Powder
- Colour : Grey
- Odor : No distinct odor
- Solubility in water : Slightly soluble
- Vapor density : Not applicable
- Evaporation Rate : Not applicable
- Boiling point : Not applicable

11. STABILITY AND REACTIVITY

- Stability : Stable
- Conditions to avoid : Unintentional contact with water
- Incompatible materials :Wet Cement is alkaline. As such it is incompatible with acids, ammonium salts and aluminium metal.
- Hazardous decomposition products : Will not spontaneously occur. Adding water results in hydration and produces (caustic) calcium hydroxide.
- Hazardous polymerization : Will not occur



12. TOXICOLOGICAL INFORMATION

- Eye Contact : Dust is irritating to the eyes causing watering and redness. Exposure to dust may aggravate pre-existing eye conditions.
- Skin : The dust from this product, particularly in association with heat and sweat, may cause mild irritation and drying to the skin due to its physical characteristics.
- Inhalation : Can cause irritation of the nose, throat and lungs resulting in excess mucus and coughing.

13. ECOLOGICAL INFORMATION

- Ecotoxicity : No recognized unusual toxicity to plants or animals.

14. DISPOSAL CONSIDERATIONS

Dispose of waste material according to local, state, and federal regulations. (Since Cement is stable, uncontaminated material may be saved for future use.)

Dispose of bags in an approved landfill or incinerator.

15. TRANSPORT INFORMATION

APLUS tile adhesive products are not classified as dangerous for road transport, inland shipping transport, sea shipping transport and air transport.

16. REGULATORY INFORMATION

The APLUS mortar products are 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.