



MATERIAL SAFETY DATA SHEET **APLUS 110 SEMEN ACIAN**

1. IDENTIFICATION

PRODUCT NAME : **SEMEN ACIAN (APLUS 110)**
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	30 – 60%
GRADED SILICA SAND	: 14808-60-7	40 – 70%
CALSIUM CARBONATE	: 1317-65-3	3 – 40%
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 : Remove contaminated shoes and clothing. Rinse affected areas with large amounts of water followed by washing the area with soap and water. Seek medical attention if conditions persist.

Eye Contact : Immediately flush eyes, including under eyelids, with copious amounts of water until victim is transported to an emergency medical facility. Seek medical attention if conditions persist.



- Inhalation : Move the victim to fresh air. If victim is not breathing, give artificial respiration. Seek medical attention if conditions persist.
- 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.

7. ACCIDENTAL RELEASE MEASURES

- a. Notify safety personnel of large leaks.
- b. Provide adequate ventilation.
- c. Clean up personnel must be protected against dust inhalation and direct contact with the wet cement mortar.
- d. Avoid creating airborne dust conditions. Clean up methods such as vacuuming with an appropriate filter or wet mopping minimizes dust dispersion.
- e. Carefully scoop up spilled dry material into a suitable container (with secure lid) for disposal or reclamation.

8. HANDLING AND STORAGE

Handling : Wear personal protective equipment

Storage : Dry and well ventilated area. Avoid moisture to prevent hardening

9. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits : Tile Adhesive is supplied as a dry powder. Prior to application, the powder is mixed with water and mixed to a consistent slurry and is then trowel onto surfaces such as walls. As Tile Adhesive contains Portland Cement as a component, which is classed as Hazardous, Non-Dangerous product, the precautions for use of Tile Adhesive are the same as Portland Cement.

Wet Portland cement, particularly in plastic (unhardened) concrete, mortar or slurry, can dry skin and cause alkali burns. Continued exposure to individuals who are allergic to chromium, could cause severe allergic dermatitis.

Respirable crystalline silica (quartz) exposure limits should be kept below 0.1mg/m³ TWA.



Respirable dust levels are to be kept below 3mg/m³ to minimise health problems such as skin, eye and respiratory irritation.

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 : Dust masks in well ventilated areas, half-face or full face respirators in enclosed areas.

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

Form : Powder

Colour : Grey

Odour : Odourless

Solubility : Not soluble

Flammability : Non-flammable

Specific Gravity : 2.6-3.3

11. STABILITY AND REACTIVITY

Chemical Stability : Chemically stable

Conditions to avoid : Avoid unintentional contact with water
Incompatible materials : Acid

Hazardous decomposition products : None



12. TOXICOLOGICAL INFORMATION

Eye Contact	:	Cement is a severe eye irritant and brief exposure will cause some soreness. Gross exposure or untreated mild exposures will likely to lead to chemical burning and ulceration of the eye.
Skin	:	Cement powder or any mortar mixture may cause irritant contact dermatitis, allergic (chromium) dermatitis and / or burns.
Ingestion	:	If small amounts of cement are swallowed, it is unlikely to cause any significant reaction. Larger doses may cause irritation of the gastrointestinal tract.
Inhalation	:	Cement powder may cause inflammation of the mucous membranes.
Chronic Effects	:	High repeated exposures in excess of Occupational Exposure Limits have been linked with rhinitis and coughing. Skin exposure has been linked to allergic (chromium) dermatitis, more commonly arises through contact with cement / water mixtures rather than dry cement.

13. ECOLOGICAL INFORMATION

When in contact with water, cement will cause the PH to rise and given a sufficient increase may be toxic to aquatic lives in these circumstances.

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

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.