



SAFETY DATA SHEET

Date of Issue: March 2018 (Rev 0)

1. IDENTIFICATION OF PRODUCT

Brand Name: **PROTEC**

Product Name: **PRO APCC-2 PART**

Manufacturer /Supplier: **PROTEC GREEN PTE LTD**
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2. INFORMATION OF INGREDIENTS

PRO APCC-2 PART is supplied in 2 parts components (A: Powder and B: Liquid) for use in the construction industry as a repair mortar to old concrete. For more specific information on the use of this product, refer to the product data sheet. This preparation of Part A comprises of Portland cement, sand and other chemicals. The precise formulation is confidential information. This preparation contains no ingredients classifiable by the requirements of 67/548/EEC as amended by 79/831/EEC.

3. HAZARDS IDENTIFICATION

Human Health Effects:

No specific hazards are encountered under normal product use. The quartz (sand) content of the powder is not of respirable size and is not likely to present an inhalation hazard. However, exposure to dust should be regarded as potentially harmful. This powder is mildly alkaline when wet.

Environmental Effects:

Presents no particular risk to the environment, provided the disposal requirements and national or local regulations are complied with.

Physical and Chemical Hazards:

No risk of fire and explosion.

Classification/Specific hazards:

According to EEC criteria, this product is not classified as a "Hazardous substance".

4. FIRST AID MEASURES

Ingestion: Rinse mouth with plenty of water and seek precautionary medical advice.

Inhalation: Remove to fresh air and rest.

Skin Contact: Wash with soap and plenty of water.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, including under lids.

5. FIRE FIGHTING MEASURES

Specific hazards during fire : None

Special protective equipment for fire fighters : None

Means of Extinction

Suitable extinguishing media : Water Spray, powder, foam, Carbon dioxide.

Unsuitable extinguishing media : Not available



6. ACCIDENT RELEASE MEASURES

Personal Precautions:	Take precautions against excessive dust exposure. (use approved respiratory protection).
Environment precautions:	Do not flush into surface water or sewers.
Methods for cleaning up:	shovel into bags or other suitable containers. Small spillage may be washed to drain with plenty of water. Spillage which becomes damp will set and harden. Clean up spillage promptly.
Additional advice:	Avoid dust formation.

7. EXPOSURE CONTROLS

Engineering Control:
Use ventilation adequate to keep dust exposures below recommended exposure limits.

Environmental Protection:
Do not flush into surface water or sewers.

Methods for cleaning up: Scoop up contaminated material of Part B and place in a disposal container. Although not classed as dangerous these preparations should be handled in accordance with good industrial hygiene and safety practices. Small spillages of part A should be absorbed on inert absorbent. Large spillages should be contained and pumped receiving vessel.

Personal Protection:
Avoid inhalation of dust.

The following "good practice" precautions are recommended:

- Wear suitable overalls
- Wear suitable gloves and eye protection.
- No eating, drinking or smoking in the workplace
- Wash off splashes as soon as possible

Skin and body protection	: None.
Hygiene measures	: Wash off splashes with warm water and soap.
Protective measures	: Prophylactic use of protective ointment (barrier cream) is recommended.

Wear suitable respiratory protective equipment if working in confined spaces with inadequate ventilation. Advice from respiratory protective equipment is given in British standards BS 2091 and BS 4274 and the HSE publication HS(G)53.

8. STORAGE AND HANDLING

No special conditions.
Store in dry place between +5°C ~ +35°C protected from frost and direct sunlight.



9. PHYSICAL AND CHEMICAL PROPERTIES

	Part A	Part B
Appearance	: Grey Powder	White milky liquid
Odour	: None	Faint aromatic
PH	: Not determined	4 - 5
Viscosity	: Not applicable	100 – 800mPa s
Freezing point	: Not applicable	0°C
Boiling point	: Not applicable	100°C
Melting point	: Not determined	Not determined
Flash point	: Not applicable	Not applicable
Auto-flammability	: Not applicable	Not applicable
Explosive limits	: Not applicable	Not applicable
Vapour pressure	: Not applicable	23hPa @ 20°C
Relative density	: Not determined	Not determined
Solubility	: Insoluble	Miscible in all proportions
Partition coeff	: Not determined	Not determined

10. STABILITY AND REACTIVITY

Stability:	Stable at normal temperature when kept dry. When wet sets to a hard lump with evolution of small amounts of heat.
Materials & conditions to avoid:	None known.
Hazardous decomposition product:	None known in normal applications.

11. TOXICOLOGICAL INFORMATIONS

Ingestion:	No specific data available. Not regarded as harmful by ingestion. Unlikely to be any serious ill effects. May cause minor upset/irritation to digestive system.
Inhalation:	Inhalation of quartz (crystalline silica) over long periods can cause silicosis. Dusts other than quartz arising from this preparation is not likely to cause significant disease or toxic effect if exposure is kept under reasonable control.
Skin contact:	Prolonged contact may cause irritation, especially if wet.
Eye contact:	Will cause discomfort and irritation.

12. ECOLOGICAL INFORMATION

Product is expected to be partially biodegradable.
Long term ecological effects as for any cement/concrete products.

13. DISPOSAL CONSIDERATIONS

This preparation is not classified as special waste and can be disposed of by landfill at an approved site. Consult local regulations before disposal.

14. TRANSPORT INFORMATION

No special packaging requirements.
Not classified as dangerous goods.

15. REGULATORY INFORMATION

Not classified as dangerous according to the rules of the EEC "Preparation Directive" 88/379/EEC.



16. OTHER INFORMATION

The above information is based on the data which we are aware and is believed to be correct as of the date hereof. It is intended as a guide for safe handling, storage and use in known applications in the construction industry, but it is not a specification or guarantee of specific properties, and no liability can be accepted for any loss, injury or damage resulting from its use.