

MATERIAL SAFETY DATA SHEET
PRODUCT: EPOXY FLOOR SEAL

DATE: 23/09/17
VERSION: 1.0

1. PRODUCT IDENTIFICATION /DESCRIPTION

Preparation/Product Name: Epoxy Floorseal

Description: PCMN Epoxy Floorseal is a two pack penetrating sealer. The product exhibits outstanding adhesion to concrete and other surfaces.

Epoxy Floorseal is supplied as a two pack system, comprising pre-weighed amounts of BASE and CURING AGENT components.

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NO	RISK PHRASES
BISPHENOL	25068-38-6	R36/38,43,51,53
POLYAMIDE	68410-23-1	R36/38,43,51,53

3. HAZARD IDENTIFICATION OF THE PRODUCT

Flammable.

Skin Irritation: A single exposure to skin is unlikely to cause irritation.

Eye Irritation: Irritating to eyes.

Sensitization: May cause sensitization by skin contact.

Ingestion: Oral toxicity is low .No hazard is expected from normal industrial exposure.

Inhalation: Exposure to vapour at elevated temperature may cause irritation to respiratory tracts.

Skin: harmful in contact with skin.

4. FIRST-AID MEASURES

Eyes: Hold the eyes open and rinse with water for a sufficiently long period of time (at least 15 minutes). Contact an ophthalmologist.

Skin: Remove all contaminated clothes and foot wears immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

Consult a doctor in the event of a skin reaction

Ingestion: DO NOT induce the patient to vomit if conscious. Wash out mouth with water. Drink water in small sips (Diluting effect) .Medical advice is required.

Inhalation: Take the person into the fresh air and keep him warm, let him rest; if there is difficulty in breathing medical advice is required.

Other: General advice: take off all contaminated clothing immediately.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Carbon dioxide (CO₂), Foam, extinguishing powder or water spray to cool containers.

Fire Fighting Procedures: During fire-fighting respirator with independent air supply and airtight garment is required.

Hazard: Burning releases carbon monoxide, carbon dioxide, and oxides of Nitrogen. In the events of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Do not allow to escape to drains, surface water, ground water and soil.

Waste Disposal Methods: Remove mechanically; cover the remainder with wet, absorbent material (e.g. sawdust, chemical binder based on calcium silicate hydrate, sand).

After approximately one hour, transfer to waste container and do not seal (CO₂ evolution). Keep damp in a safe ventilated area for several days.

7. STORAGE AND HANDLING PRECAUTIONS

Handling: Ensure there is sufficient ventilation of area. Do not handle in a confined space. Keep away from heat. Smoking is forbidden. Do not breathe vapour. Avoid contact with skin and eyes.

Storage: Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 25°C. PCMN Epoxy Floorseal Coating has a minimum of 12 months shelf life when stored in original, unopened containers in accordance with manufacturer's instructions. Keep container dry and tightly closed in a cool and well ventilated place. Ensure lighting and electrical equipment is not a source of ignition.

WARNING: Provide sufficient air exchange and/or exhaust in work rooms. Exhaust ventilation necessary if product is sprayed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION INFORMATION

Ventilation: The work place should be well ventilated.

Protective Gloves: Gauntlet type of gloves of nitrile rubber or butyl rubber is recommended. For short time contact PVC is suitable.

Eye Protection: Wear safety goggles.

Respiratory Protection: Suitable respiratory equipment required in insufficient ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter is recommended. Other Protective

Equipment: Wear suitable protective clothing for skin and body Protection. Hygiene: Keep away from foodstuffs, drinks, and tobacco. Wash hands before breaks and at the end of workday.

Keep working clothes separately.

Take off all contaminated clothing immediately.

Physical State Liquid

Specific gravity 0.93-1.06Kg/l

Solubility in water: Immiscible

Gloss level: High

Mix ratio: 3:2 by vol Base: Curing agent.

Pot life: 30-60 mins @ 25 C

Theoretical Spreading rate: 3.0 ltrs/m² depending on surface texture.

Curing Time @ 25C:

Touch Dry: 4hrs.

Hard Dry: 10hrs

Overcoating time: 10hrs(min)

Shelf life: up to 12 months.

10. STABILITY AND REACTIVITY

Hazardous reactions: Exothermic reaction with amines and alcohols; In closed container under high temperature, risk of bursting owing to increase of pressure.

Hazardous decomposition products: No hazardous decomposition products when stored and handled correctly.

11. TOXICOLOGICAL INFORMATION

Toxicological studies. Result not available.

Information based on experience: Human beings: vapour acts as eye and respiratory tract irritant. Vapour can cause depression of the central nervous system (headache & sleep disturbance).

12. ECOLOGICAL INFORMATION

Do not allow to escape into waterways, waste water or soil.

13. DISPOSAL CONSIDERATION

Do not allow into drains or water courses. Wastes and empty containers should be disposed off in accordance with regulations under the control of pollution agency and environmental protection agency.

N.B: Disposal of paints and thinners is controlled by National regulations. Please refer to Local office for current statutory regulations.

14. OTHER INFORMATION

Risks Phrases

R36/37/38 Irritant to eyes, respiratory system and sin.

R42/43 may cause sensitization by inhalation and skin contact

Safety Phrases

S28 After contact with skin wash immediately with plenty of soap and water.

S37/39 Wear suitable gloves and eye protection.

S61 Avoid release to the environment. Refer to instruction on safety data sheet.

15. SAFETY PRECAUTIONS

Company Disclaimer:

The information provided in this safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release. The information is given without acceptance of liability for loss or damage attributed to reliance thereon as conditions of use lie outside our control. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.