



Material Safety Data Sheet (MSDS)

POLYMAT® Roof -R

Polymeric Waterproofing membranes of PVC-P compound

Polymeric PVC-P waterproofing membranes, homogenous with high elongation for elasticity to absorb structural movements. Complies with the European Harmonised Standards EN 13967 and EN 13491 (Basement/Tunnel).

1. PRODUCT AND COMPANY IDENTIFICATION

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Plasticized polyvinylchloride compounded membranes in coils

3. POTENTIAL HAZARDS

Hazards information

Due to its formulation it does not need to be submitted to CEE 79/831 Standard concerning dangerous materials

4. FIRST AID MEASURES

Not required

5. FIRE FIGHTING MEASURES

Extinguishing media

> 350°C

Inflammability temperature suitable

Extinguishing powder, synthetic foam, and carbonic snow. Vaporized water, using monitors, will help to pull down hydrochloric acid in particular.

Not to be used

Special protective equipment

More information

PVC resins due to their natural properties are not flammable. In normal conditions. PVC is an organic substance, and in particular conditions, having ignition source and air incoming, it can be flammable causing pungent and thick smokes, mainly composed by carbon dioxide, water vapour, carbon monoxide and hydrochloric acid. Breathing these smokes can cause inconvenience more or less dangerous to people, depending from time and intensity of exposure.

The normal means of fire-fighting can be used where PVC manufactures are present.

Due to low contents of CVM in PVC resins, it is practically impossible that explosions occur, considering the very high value required for explosion from 3.6 to 33% in volume)

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions	No special precautions required
Environmental precautions	None
Methods for cleaning up	Clean & dispose off the material in accordance with local regulations.

7. HANDLING AND STORAGE

Safe handling advice	Material is safe to handle at normal ambient conditions.
Advice on Protection against fire and explosion	Keep away from fire and sources of ignition.
Storage	Normal warehouse conditions, away from heat and direct sunlight.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering measures	None
Personal protective equipment	None
Respiratory protection	None
Hand protection	Gloves
Eye protection	Safety glasses.
Hygiene measures	Avoid contact with skin and eyes. Smoking, eating and drinking should be avoided in the application area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Odour	Practically odourless
Incompatible substances	None
Dangerous reaction	None
Safety measures	None
Water Solubility	Insoluble

10. STABILITY AND REACTIVITY

Hazardous decomposition products	None
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11. INFORMATION ON TOXICITY

Skin irritation	
General Toxicity Information	N-A

12. INFORMATION ON ECOLOGICAL EFFECTS

General Ecological Information	No Eco toxicological studies available.
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13. DISPOSAL

Waste Disposal

Waste must be disposed of in accordance with federal, state and local regulations.

14. TRANSPORT

PVC products are considered “not dangerous” for transportation by air, by sea and by land.

15. REGULATIONS

Labelling according to EEC Directive

Statutory basis/list

Non-hazardous, safe to handle.

Symbol (s)

R-phrase (s)

S16 - Keep away from sources of ignition

S-phrase (s)

S41 - In case of fire and / or explosion do not breathe fumes

16. FURTHER INFORMATIONS

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 a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. 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.

Approved: Bernard Weissenborn, CEO of BITUMAT LIMITED COMPANY, Dammam, KSA

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