



RAINPEL

RAINPEL is a mix of silicon resins in an organic solvent carrier designed to be applied to the exterior of buildings to control and prevent rain penetration.

RAINPEL will penetrate the capillaries of porous masonry and line the capillary to prevent the ingress of water. Because the capillaries in the masonry are only 'lined' the masonry can readily breathe, thereby allowing normal vapour movement within the wall to carry on unhindered.

RAINPEL is colourless and will not cause the face of buildings to discolour.

RAINPEL is supplied in 25 litre containers and can be applied by brush, spray or roller. Always use a new container for brush or spray applications.

TREATMENT OF PENETRATING DAMP

Surfaces to be treated should be visibly dry and free from dirt and loose particles. Pointing and rendering should be carried out and allowed to dry and new cement allowed to cure for at least six weeks before treatment. Plants in close proximity should be protected as should window glass which may be accidentally sprayed. The surface should be sprayed liberally with **RAINPEL** aiming at a 'run down' of at least 300mm (12") on a surface of average porosity. Coverage on dense materials will be approximately 4 – 5 sq. metres per litre (200 – 250 sq. ft. per gallon) but on soft porous brick may be as low as 2 sq. metres per litre (100 sq. ft. per gallon).

RAINPEL

1. IDENTIFICATION OF SUBSTANCE OR PREPARATION

Product **RAINPEL**

Application Masonry Water Repellent.

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description Polymeric alkylalkoxy siloxane in dearomatised white spirit.

<u>Hazardous Ingredients</u>	% w/w	CAS	EINECS	SUPPLY CLASS
Dearomatised white spirit	>90	64742-48-9	265-150-3	Flammable and irritant. R10R36/38

3. HAZARDS IDENTIFICATION

Irritating to eyes and skin. Danger of aspiration into lungs which could cause pneumonia.
Poisonous if inhaled or if swallowed. Flammable liquid - keep away from ignition sources. Some evidence suggests it may be poisonous by absorption through the skin. Reacts with water to form ethanol.

4. FIRST AID

Eyes Immediately gently irrigate with clean water for at least 15 minutes.
If any irritation persists, seek medical attention immediately.

Skin Contaminated clothing should be removed and affected skin washed with soap and plenty of water. If irritation develops, seek medical attention.

Ingestion Give one pint of water to drink as soon as possible and call for medical attention. Do NOT induce vomiting.

Aspiration (inhalation of liquid spray into the lungs) Send immediately to hospital or obtain immediate medical attention. If there is any suspicion that liquid could have been injected under pressure under the skin, treat by sending to hospital immediately and show this data sheet to the doctor - PRESSURE INJECTION INJURIES CAN BE SERIOUS UNLESS TREATED PROMPTLY.

Inhalation Remove to fresh air, keep at rest and consult doctor if any symptoms persist. If ASPIRATION of spray liquid into the lungs is suspected call for immediate medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Alcohol foam, dry chemical or carbon dioxide. DO NOT USE WATER.
Fire and explosion Hazards	When heated to decomposition it emits acrid smoke and irritating fumes. The solvent can vapourize and form explosive mixtures with air if exposed to heat or flame.
Protective Measures	Respiratory protection is required when fighting fire. Keep containers cool by spraying with water.

6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

Personal Precautions	Wear nitrile rubber gloves and goggles. Wear organic vapour mask.
Environmental Precautions	Prevent entry into drains, sewers and water courses. Prevent spilled liquid from spreading by the use of sand or earth.
Recovery	Absorb in sand or earth and collect up into suitable containers for disposal.

7. STORAGE AND HANDLING (IN NORMAL USE)

Storage	Store away from oxidising materials, heat and sources of ignition. Take precautionary measures against static discharges. Keep strictly separated away from food, drink and animal feed.
Ventilation	Good general ventilation, natural or mechanical.
Handling	Wear nitrile rubber gloves and goggles and dust proof overalls giving full body protection.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (NORMAL USE)

Occupational Exposure Limits				
Dearomatised white spirit	8Hr TWA 575 mgm ³ 100ppm	10Min 720 mgm ³ 125ppm	Type OES	Ref EC Grp.3F
Engineering Measures	Mechanical extraction if natural ventilation is poor.			
<u>Personal Protective Equipment</u>				
Respiratory	In poorly ventilated area wear an organic vapour mask. When spraying, ALWAYS wear suitable respiratory protective equipment.			
Hand	Wear nitrile rubber gloves.			
Eye	Wear goggles giving complete protection to the eyes.			
Other	Disposable overalls recommended.			

9. PHYSICAL/CHEMICAL PROPERTIES

Appearance	Clear liquid
Odour	Petroleum like odour
pH (as delivered)	160-200°C
Flash Point	40°C
Autoflammability	Approx. 230°C
Explosive Properties	
Upper Limit	8.0% vol
Lower Limit	0.6% vol
Relative Density (SG)	Approx 0.8
Solubility	Insoluble in water.

10. STABILITY AND REACTIVITY

Stability	Stable in ambient conditions.
Conditions to avoid	Avoid conditions of high heat and ignition sources.
Materials to avoid	Avoid oxidising agents, strong acids and alkalies and halogens.
Recommended materials for equipment	Use mild steel, polythene or GRP for containers.
Hazardous decomposition products	Combustion will produce toxic gases.

11. TOXOLOGICAL INFORMATION

Short Term	
Eyes	May cause irritation and redness.
Skin	Can irritate on prolonged or repeated exposure. Risk of allergic dermatitis.
Ingestion	Poisonous if swallowed.
Inhalation	This material contains constituents which have Occupational Exposure Limits - exposure is regulated to these limits in the U.K. and other EC member states. Can have harmful poisonous effects if inhaled. Inhalation of vapour or particulates can cause aspiration pneumonia.
Long term effects	No data cited. CAUTION: Not yet fully tested.

12. ECOLOGICAL INFORMATION

Biodegradability	Dearomatised white spirit C.O.D. 0.35g oxygen per gram; B.O.D./C.O.D. 3.14 (Total 1/94)
Aquatic Toxicity	No data cited.

13. DISPOSAL CONSIDERATIONS

Disposal through an authorised contractor to a licensed site, in accordance with the Control of Pollution Act 1974. Control of pollution (Special Waste) Regulations 1980 apply. Hazardous waste as defined by EC Council Directive 91/689/EEC.

14. TRANSPORT INFORMATION (REGULATIONS)

Packaging (size and description)	25 litre drums
Transport Classification	FLAMMABLE LIQUID
Substance Identification number	1268
Proper Shipping Name	Petroleum distillates N.O.3.
ICAO/IATA/MDG Class	3.3
Subsidiary Risk	
Packing Group	III
ADR Class	
Transport Hazard Symbol	Black flame on red
Hazard Ident Number	
Emergency Action Code	
Other	

15. REGULATORY INFORMATION (Supply & Labelling)

Supply Classification	IRRITANT
Hazard Pictogram	
Risk Phrases	R10 Flammable. R36/38 Irritating to eyes and skin.

Safety Phrases	S23 Do not breathe mist or vapour. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S43 In case fire use foam, dry powder or carbon dioxide to extinguish. NEVER USE WATER. S62 If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label. S38 In case of insufficient ventilation, wear suitable respiratory equipment.
Other Applicable Regulations	COSHH regulations apply. The information contained in this safety data sheet does NOT constitute or substitute for the users own assessment of risk in their workplace.

16. OTHER INFORMATION

References: Chemicals (Hazard Information & Packaging) Regulation-, S1 1992 No.742, S1 1980 No.1709, 88/379/EEC, 91/155/EEC, IMDG Code 1991 plus amendments. ADR Agreement 1993. Sax's Dangerous Properties of Industrial Materials 8th Edition 1992.

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