



MATERIAL SAFETY DATA SHEET.

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product name: ENVIROGUARD WR50
Impregnating aqueous water repellent for concrete and stone paving, brick and rendered walls.

1.2 Company: D. Adam & Associates / ACTEL Coatings
Clarendon, 17 High Cross Avenue,
Melrose TD6 9SQ Scotland, U.K.
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www.enviroguard-anti-graffiti.co.uk

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to EU Directives 67/548/EEC or 1999/45/EC:

Not hazardous

2.2. Label elements

S-phrases: S23 (S) Do not breathe spray
S23(V) Do not breathe vapour
S24/25 Avoid contact with skin and eyes
S51 Use only in well ventilated areas (

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name

Aqueous silicone emulsion

Hazardous Ingredients:

Name	CAS No	EINECS/	Conc (% w/w)	Classification
Silicic acid, diethoxyoctyl silyl trimethylsilyl ester	216689-57-5	Exempt or n/a available	19.0	
Triethoxyoctylsilane	2943-75-1	220-941-2	15.0	Xi R38
Polyethylene oxide lauryl ether	9002-92-0	Exempt or n/a	2.0	Xi R41
Dimethyl siloxane with aminoethylaminopropyl silsesquioxane, hydroxyl-term	68554-54-1	exempt or n/a	1.2	Xi R36/38

According to Regulation (EC) No. 1272/2008

Silicic acid, diethoxyoctyl silyl trimethylsilyl ester	216689-57-5	Exempt or n/a available	19.0	Substance with a Community Workplace EL
Triethoxyoctylsilane	2943-75-1	220-941-2	15.0	Skin corrosion/irritation Category 2 H315

Polyethylene oxide lauryl ether	9002-92-0	Exempt or n/a	2.0 Substance with a Community Workplace Exposure Limit
Dimethyl siloxane with aminoethylaminopropyl silsesquioxane hydroxyl-term	68554-54-1	exempt or n/a	1.2 Skin corrosion/irritation Category 2 H315 Serious eye damage/eye irritation Category 2 H319

4. FIRST AID MEASURES

Eye contact: Wash out with water.
If irritation persists seek medical advice.

Skin contact: Wash off with soap and water

Ingestion: No first aid should be needed

Inhalation: Move exposed person to fresh air.

5. FIRE FIGHTING MEASURES

This preparation is stable and non-combustible. Use extinguishing media for surrounding fire. Water spray, foam, dry powder, CO2 for small fires

6. ACCIDENTAL RELEASE MEASURES

Wear proper protective equipment. Spillages should be contained using soil or other adsorbent material to prevent contamination of drains and watercourses. Waste material from spillages should be disposed of in accordance to local regulations. Spilled material produces a very slippery area.

7. HANDLING AND STORAGE

Store securely in the original labelled containers. Store above 5oC. Do not store above 50°C for prolonged periods. Do not breathe spray mist or vapour. Do not store with oxidising agents. Do not empty into drains. Avoid skin contact.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Name	CAS No	Exposure limits
Silicic acid, diethoxyoctyl silyl trimethylsilyl ester	216689-57-5	1000 ppm TWA as ethanol 1920 mg/m3 as ethanol
Triethoxyoctylsilane	2943-75-1	1000 ppm TWA as ethanol 1920 mg/m3 as ethanol

Exposure controls: Wear personal respiratory protection. Ensure adequate ventilation in the work area.

Personal protection: Respiratory, wear an AP filter mask to prevent inhalation of liquid as a vapour.
Hands, the use of chemical protective gloves is recommended.
Eyes, safety glasses or goggles, (BS2902).
Skin, Apron, overalls. Wash after handling and before eating, drinking or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

State : liquid
Colour : white
Boiling point : 100°C
Flash point : >100oC (Closed cup)
Density @ 25°C : 1.0
Odour : Very slight
VOC : <50

10. STABILITY AND REACTIVITY

This product is stable in excess of two years when stored between 5°C and 30°C.
Hazardous reactions: None established.
Hazardous decomposition products:silica, carbon oxides, formaldehyde, nitrogen products, chlorine compounds

11. TOXICOLOGICAL INFORMATION

This preparation does not carry a hazard classification. Excessive exposure may cause irritation, skin discomfort, rash, irritation and eye discomfort.

12. ECOLOGICAL INFORMATION

Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded. This product hydrolyses in water or moist air releasing alcohols and organosilicons.
No adverse effects on aquatic organisms are predicted.
No bioaccumulation potential
No adverse effects on bacteria are predicted. The siloxanes in this product do not contribute to BOD

13. DISPOSAL CONSIDERATIONS

The product must be disposed of in accordance with local, National and EEC regulations.

14. TRANSPORT CONSIDERATIONS

Road / Rail: (ADR/RID)
Not regulated
Sea Transport (IMDG)
Not regulated
Air Transport (IATA)
Not regulated

15. REGULATORY INFORMATION

All ingredients are listed, exempt or notified. This information is based on test data from similar products

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