

Material Safety Data Sheet



Date Prepared: 28/09/04
Date Revised: 25/10/06 (Revision 06.01)

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY.

Product Name POLAR PROOF

Product Description Waterproofing emulsion for textile treatment

Product Code 220- 229

Distributor: Nikwax Waterproofing Ltd.
Unit F Durgates Industrial Estate
Wadhurst
East Sussex
TN5 6DF
ENGLAND

Tel: +44 (0)1892 786400
Fax +44 (0)1892 783748

**Manufacturer/
Supplier:** As above

Emergency Telephone No: As above (not 24 hrs)

2. COMPOSITION / INFORMATION ON INGREDIENTS

	CAS No.	EC No.	%(W/W)	Symbol	R Phrases
Water	7732-18-5	231-791-2	>50 %		
Zirconium acetate	7585-20-8	231-492-7	2-5 %	Xi	R36
Propane-1,2-diol	57-55-6	200-338-0	2-3 %		
Acetic acid	64-19-7	200-580-7	1-2 %	Xi	R36

The full text of the associated risk phrases is given in section 16.

3. HAZARD IDENTIFICATION

This preparation is not classified as a dangerous preparation according to EU directive 1999/45/EC or The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002

Potential health effects:

The weak acidity of the undiluted product may cause irritation on contact with eyes.

4. FIRST AID MEASURES

- Eye contact: Wash with plenty of water / eyewash. Seek medical attention if irritation persists
- Skin contact: Wash with soap and water. Material is unlikely to be hazardous by skin contact.
- Inhalation: Move to fresh air.
- Ingestion: Low toxicity by ingestion, may be harmful if ingested in quantity. Drink plenty of water. Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media: Substance is non-combustible; use agent most appropriate to extinguish surrounding fire.
- Unsuitable extinguishing media: N/A
- Fire-fighting Protective Equipment: No specialised equipment is required.

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions: Avoid eye contact. If released in large quantities ventilate the area to dispel residual vapours.
- Environmental precautions: Avoid bulk quantities of undiluted product entering fresh water drains.
- Methods for cleaning: Absorb with inert absorbent and dispose of in accordance with local authority regulations. Wash site of spillage with water and detergent.

7. HANDLING AND STORAGE

- Handling: No special precautions required. Handle in accordance with good hygiene and safety practice. Avoid contact with eyes and prolonged contact with skin.
- Storage: Store at ambient temperature. Product quality may be adversely affected if stored at below 0 °C or for over four years.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Exposure Controls Monitoring of the workplace should be considered in accordance with EH40 (or equivalent) controls.
- | | | |
|-------------------|-------------------|---|
| Acetic Acid | LTEL (8 hour TWA) | 10 ppm |
| | STEL (15 minute) | 15 ppm |
| Zirconium Acetate | LTEL (8 hour TWA) | 5 mg/m ³ (Zirconium and compounds) |
| | STEL (15 minute) | 10 mg/m ³ (Zirconium and compounds) |
| Propane-1,2-diol | LTEL (8 hour TWA) | 150 ppm/474 mg/m ³ (total vapour and particulates) |
| | | 10 mg/m ³ (particulates) |
- Respiratory protection: Protective equipment is not required provided a level of adequate ventilation is present.
- Hand Protection: Wear rubber gloves if risk assessment shows prolonged exposure is likely.

Skin Protection:	Protective garments are not normally required.
Eye Protection:	Eye goggles should be considered if risk assessment shows exposure to eyes is possible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Milky white liquid
Odour:	Slight vinegary odour
pH:	4.0 – 4.6
Boiling Point:	100 °C
Melting Point:	-2 °C
Flashpoint: (°C):	N/A
Flammability:	N/A
Autoflammability:	N/A
Explosive Properties:	N/A
Oxidising Properties:	Not determined, but unlikely
Vapour Pressure:	Not determined, consider as water
Relative Density:	1.004
Solubility: (water & oil):	Fully water-soluble, partly miscible with oils.
Partition Co-efficient (n-octanol/water)	Not determined
Viscosity	Not determined, consider as water
Vapour Density	Not determined, consider as water
Evaporation rate	Not determined, consider as water

10. STABILITY AND REACTIVITY

Conditions to avoid:	None known
Materials to avoid:	None known
Hazardous Decomposition Materials:	None known

11. TOXICOLOGICAL INFORMATION

A concise description of Toxicological properties follows:

Acetic acid content may irritate the eyes and skin. Prolonged exposure in a confined space may cause irritation to the respiratory system. Not known to be harmful by ingestion.

12. ECOLOGICAL INFORMATION

Ecotoxicity :	Undetermined.
Persistence and degradability:	Undetermined.
Bioaccumulative potential:	Undetermined.

13. DISPOSAL CONSIDERATIONS

No special disposal considerations are required. Users must ensure disposal is in accordance with local and national legislation.

14. TRANSPORT INFORMATION

Air Transport (IATA/ICAO) :	Not regulated as a hazardous material.
Sea Transport (IMDG) :	Not regulated as a hazardous material.
Rail/Road Transport (RID/ADR) :	Not regulated as a hazardous material.

15. REGULATORY INFORMATION

EC / CHIP 3 Classification:	NON-HAZARDOUS
Hazard symbol:	None
Risk Phrases:	None
Safety Phrases:	S2 Keep out of the reach of children S25 Avoid contact with eyes.

16. OTHER INFORMATION

This material safety data sheet has been revised in sections 1 to 16 on 25/10/06. None of the revisions made on this date require users of the product to reassess the risks to health and safety in their workplace, or to the environment.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of latest revision. It is supplied as required by European Union Directive 1999/45/EC and the Chemicals (Hazard Identification and Packaging for Supply) Regulations 2002 for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

Whilst proper care has been taken in the preparation of this document, Nikwax Limited and its distributors accept no responsibility for injury or damage resulting from its use. The information herein does not constitute a specification or a guarantee of product performance.

Risk phrases in section 2

R36 Irritating to eyes.