



ProBor 20 Gel

HSE: 6847

1. IDENTIFICATION OF SUBSTANCE OR PREPARATION

Product ProBor 20 Gel
Application Wood Preservative. For application by brush.

**COMPANY
UNDERTAKING
IDENTIFICATION**

**Restoration UK Ltd
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description Inorganic borate in quaternary surfactant and glycol solvent.

HAZARDOUS CHEMICALS Name		CAS	EINECS	SUPPLY CLASS
Dialkyldimethylammonium Chloride 50% soln	w/w 1	7173-51 5	230-525-2	Corrosive R34 R22
Disodium octaborate tetrahydrate	20	2008-41 2		Not regulated

**3. HAZARDS
IDENTIFICATION**

Combustible material when e (posed to heat or flame. Irritating to eyes and skin.

4. FIRST AID MEASURES

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

Skin Remove contaminated clothing. Wash affected skin 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.

Inhalation Remove to fresh air. Consult doctor if any symptoms persist.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Alcohol foam or dry chemical
Fire and Explosion Hazards	When heated to decomposition it emits acrid smoke and irritating fumes. The glycol 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 PVC 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 earth or sand and collect up into suitable containers for disposal.

7. STORAGE AND HANDLING (IN NORMAL USE)

Storage	Store away from oxidising material, heat and sources of ignition. Keep strictly separated away from food, drink and animal feed.
Ventilation	Good general ventilation, natural or mechanical.
Handling	Wear PVC gloves and goggles. Wear dust proof overalls giving full body protection.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (NORMAL USE)

Occupational Exposure Limits

Name	8HrTWA	10Min	Type	Ref
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Engineering Measures	Mechanical extraction if the natural ventilation is poor.
Personal Protective Equipment	
Respiratory	In poorly ventilated area wear an organic vapour mask. When applying, ALWAYS wear suitable respiratory protective equipment.
Hand	Wear PVC gloves.
Eye	Wear goggles giving complete protection to the eyes.
Other	Disposable overalls recommended.

9. PHYSICAL / CHEMICAL PROPERTIES

Appearance	Green viscous liquid
Odour	
Boiling Point	> 200° C
Flash Point	> 100 °C
Autoflammability	
Explosive Properties	
Upper Limit	
Lower Limit	

Vapour Density

Solubility Soluble 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 any strong oxidising agents

Recommended materials

For equipment When heated to decomposition it emits smoke and irritating fumes

11. TOXICOLOGICAL INFORMATION

Short Term Low toxicity product

Eyes Irritating to eyes but not regarded as a primary irritant.

Skin May be irritating on prolonged or repeated exposure.

Ingestion Seek medical advice.

Inhalation Viscosity of product makes inhalation unlikely.

12. ECOLOGICAL INFORMATION

Biodegradability No data cited

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. Disposal outside the UK in accord with local regulations governing hazardous liquid and solid wastes.

14. TRANSPORT INFORMATION (REGULATIONS)

Packaging (Size and description)	5 litre packs
Transport Classification	Not regulated
Substance Identification Number	-
Proper Shipping Name	-
ICAO/IATA/IMDG Class	-
Subsidiary Risk	-
Packing Group	-
ADR Class	-
Transport Hazard Symbol	Not required
Hazard Ident Number	-
Emergency Action Code	-
Other	-

15. REGULATORY INFORMATION (Supply & Labelling)

Supply Classification	Irritant
Hazard Pictogram	Black St Andrews cross on orange background
Risk Phrases	R36/38 Irritating to eyes and skin.
Safety Phrases	S23 Do not breathe mist or vapour. S37/39 Wear suitable protection clothing, gloves and eye/face protection. S38 In case of insufficient ventilation, wear suitable respiratory equipment.
Other Applicable Regulations	COSHH regulations apply. E J Pesticides Regulations apply, 78/631/EEC plus amendments (3 rd Amendment 84/291/EEC). Control of Pesticides Regulations apply in the UK, 1986 SI 15111. The information contained in this safety data sheet does NOT constitute 01 substitute for the users own assessment of risk in their workplace.

16. OTHER INFORMATION

References: The Chemicals Hazard Information and Packaging) Regulations, SI 1992 No. 742, SI 1980 No 1709, 88/379/EEC, 91/155/EEC. IMDG Code 1991 plus amendments. ADF: Agreement 1993. Sax's Dangerous Properties of Industrial Materials 8th Edition 1992.

REVISION 1

ISSUE DATE
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ProBor 20 Gel

ProBor 20 Gel is a brush applied borate based gel.

Uses:

ProBor 20 Gel is ideally suited for the treatment of large dimensional timbers where it is important to achieve maximum penetration of Borate (the active ingredient) throughout the timber and not just a surface treatment.

ProBor 20 Gel Whilst our gel formulation is brand new and formulated for the 21st Century the use of Borate as a wood preservative is very well documented. Borate based wood preservatives have been used since the mid 1800's, derived from the naturally occurring mineral 'Boron'.

ProBor 20 Gel is very safe to use and the active ingredient is non-volatile, therefore the effectiveness of the treatment will last longer than many other preservatives.

Features and Benefits:

ProBor 20 Gel Very effective and powerful but also very safe, therefore giving maximum protection of timbers with minimum risk to our environment. Can be applied to both wet and dry timber. Is stronger than conventional pastes, in some cases up to 20 times stronger, giving high risk timber extra protection. Very low odour. Unlikely to cause staining problems associated with conventional pastes. Formulation does not contain Permethrin, Lindane or other pesticides.