SAFETY DATA SHEET
PROBOR 50
ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name: Probor 50
Chemical Name: Mixture
CAS No.: -
EC No.: -

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use(s): Treatment of Dry Rot/Wet Rot/Woodworm

1.3 Details of the supplier of the Safety Data Sheet

Company Identification: Restoration UK Limited
Unit 3
18 Hanford Way
Loughborough
Leicestershire
LE11 1LS
United Kingdom
Telephone: +44 (0) 01509 217750
Fax: +44 (0) 01509 262228
E-Mail (competent person): info@restorationuk.com

1.4 Emergency telephone number

Emergency Phone No. (24 h): +44 (0) 01509 217750 (office hours, Monday - Friday)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to Regulation (EC) No. 1272/2008 (CLP)
Repr. 1B; H360FD
Repr. Cat. 2; R60-61

2.2.1 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Hazard pictogram(s):

Signal word(s) Danger

Hazard statement(s): H360: May damage fertility or the unborn child.
Precautionary statement(s): P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P281: Use personal protective equipment as required.
P308 + P313: If exposed or concerned: Get medical advice/attention.
P405: Store locked up.
P501: Dispose of contents/container to: Dispose of contents in accordance with local, state or national legislation.
SAFETY DATA SHEET  
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Supplemental Hazard Information: None.

2.2.2 Label elements


Hazard pictogram(s):

[Image of hazard symbol]

Hazard Symbol: Toxic.

Risk Phrases:
R60: May impair fertility.
R61: May cause harm to the unborn child.

Safety Phrases:
S2: Keep out of the reach of children.
S36/37: Wear suitable protective clothing and gloves.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S60: This material and its container must be disposed of as hazardous waste.

2.3 Other hazards

May cause eye irritation. Repeated and/or prolonged skin contact may cause irritation. Ingestion may cause irritation of the gastrointestinal tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
EC Classification No. 1272/2008

<table>
<thead>
<tr>
<th>Hazardous ingredient(s)</th>
<th>%W/W</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>REACH Registration No.</th>
<th>Hazard symbol(s) and hazard statement(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disodium octaborate tetrahydrate</td>
<td>40-60</td>
<td>12280-03-4</td>
<td>234-541-0</td>
<td></td>
<td>Repr. 1B; H360FD</td>
</tr>
<tr>
<td>Benzalkonium chloride</td>
<td>1-2</td>
<td>8001-54-5</td>
<td>264-151-6</td>
<td></td>
<td>Acute Tox. 4; H302 Skin Corr. 1B; H314 Aquatic Acute 1; H400</td>
</tr>
</tbody>
</table>

EC Classification No. 67/548/EEC

<table>
<thead>
<tr>
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<td>234-541-0</td>
<td></td>
<td>Repr. Cat. 2; R60-61</td>
</tr>
<tr>
<td>Benzalkonium chloride</td>
<td>01/02/18</td>
<td>8001-54-5</td>
<td>264-151-6</td>
<td></td>
<td>Xn; R22 C; R34 N; R50</td>
</tr>
</tbody>
</table>

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4. FIRST AID MEASURES

4.1 Description of first aid measures
- **Inhalation:** Remove patient from exposure, keep warm and at rest. If symptoms persist, obtain medical attention.
- **Skin Contact:** Remove contaminated clothing immediately and drench affected skin with plenty of water, then wash with soap and water. If symptoms persist, obtain medical attention. Contaminated clothing should be thoroughly cleaned.
- **Eye Contact:** If substances has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. Obtain medical attention.
- **Ingestion:** Obtain immediate medical attention. Do not induce vomiting. Provided the patient is conscious, washout mouth with water and give 200-300 ml (half a pint) of water to drink.

4.2 Most important symptoms and affect, both acute and delayed
May cause eye irritation. Repeated and/or prolonged skin contact may cause irritation. Ingestion may cause irritation of the gastrointestinal tract.

4.3 Indication of any immediate medical attention and special treatment needed
If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media
- **Suitable Extinguishing Media:** Water spray, foam, dry powder or CO2
- **Unsuitable Extinguishing Media:** Do not use water jet.

5.2 Special hazards arising from the substance or mixture
May give off toxic fumes in a fire. Carbon monoxide, Carbon dioxide.

5.3 Advice for fire-fighting
A self contained breathing apparatus and suitable protective clothing should be worn in a fire conditions. Keep fire exposed containers cool by spraying with water.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear suitable protective clothing and gloves. (See Section: 8). Contaminated clothing should be thoroughly cleaned.

6.2 Environmental precautions
Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.

6.3 Methods and material for containment and cleaning up
Absorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Wash spill area with soapy water. Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorised waste disposal contractor.

6.4 Reference to other sections
- **Other advice**
  Personal Protection: See Section: 8. None.

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7. HANDLING AND STORAGE

7.1. Precautions for safe handling
Ensure adequate ventilation. Avoid inhalation of vapours. Avoid contact with skin and eyes. Wear suitable protective clothing and gloves. (See Section 8).

7.2. Conditions for safe storage, including any incompatibilities.
Keep away from heat and sources of ignition. Keep from direct sunlight. Keep away from frost. Keep only in the original container in a cool, well-ventilated place.

7.3. Specific end use(s)
Treatment of Dry Rot/Wet Rot/Woodworm.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
No Occupational Exposure Limited assigned.

8.2. Exposure controls

8.2.1 Appropriate engineering controls
Provide adequate ventilation, including appropriate local extraction if dusts, fumes or vapours are likely to be evolved. The vapour is heavier than air; beware of pits and confined spaces.

8.2.2 Personal Protection

Eye/face protection
Goggles giving complete protection to eyes. (EN 166)

Skin protection
Protective gloves. Nitrile rubber. (EN 374)

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment. (EN 141)

Other:
Apron or other light protective clothing, boots and plastic or rubber gloves.

8.2.3 Environmental Exposure Controls
Avoid release to the environment.
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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
Appearance: Gel.
Colour: Clear
Odour: Characteristic. Faint.
Boiling point (°C): >190 (760mm Hg)
Vapour Pressure (mm Hg): 0.08
Vapour Density (Air=1): 2.62
Auto Ignition Temperature (°C): 371 (mm Hg)
Flammable Limits (Lower) (%v/v): 2.6
Flammable Limits (Upper) (%v/v): 12.6

9.2 Other information
No data.

10. STABILITY AND REACTIVITY

10.1 Reactivity
No information available.

10.2 Chemical stability
Stable under normal conditions.

10.3 Possibility of hazardous reactions
No information available.

10.4 Conditions to avoid
Keep away from heat, sources of ignition and direct sunlight.

10.5 Incompatible materials

10.6 Hazardous Decomposition Product(s)
May give off toxic fumes in a fire. Carbon monoxide, Carbon dioxide.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity:
Ingestion:
LD50 (oral/rat): 2550 mg/kg. (Disodium octaborate tetrahydrate)
LD50 (oral/rat): 3.85 – 12.7 mg/kg. (Benzalkonium chloride).

Inhalation:
LD50 (inhalation/rat): 2 mg/l. (Disodium octaborate tetrahydrate)

Skin Contact:
LD50 (dermal/rabbit): >2000 mg/kg. (Disodium octaborate tetrahydrate)

Eye Contact:
No information available.

Skin corrosion/irritation:
Repeated and/or prolonged skin contact may cause irritation.

Serious eye damage/irritation:
May cause eye irritation.

Respiratory or skin sensitization:
No information available.

Mutagenicity:
Negative.

Carcinogenicity:
Negative.

Reproductive toxicity:
Category 2: May damage fertility or the unborn child.

Disodium octaborate tetrahydrate:
No experimental test data. However, animal feeding studies with boric acid and sodium tetraborate in rat, mouse and dog, at high doses, have demonstrated effects on fertility and testes. Studies with the chemically related boric acid in rat, mouse and rabbit, at high doses, demonstrate developmental effects on the foetus including foetal weight loss and minor skeletal variation. The lowest NOAEL is 9.6 mg B/kg in rats, based on developmental effects. The doses administered were many times in excess of those which humans would normally be exposed to.

STOT – single exposure:
No information available.

STOT -repeated exposure:
No information available.

Aspiration hazard:
Negative.

Other information:
No information available.
12. ECOLOGICAL INFORMATION

12.1 Toxicity

LC50 (Dab, Limanda limanda): 74mg/l/96 h (Disodium octaborate tetrahydrate)
EC50 (Daphnia magna): 530 mg/l/48 h (Disodium octaborate tetrahydrate)
LC50 (Lepomis macrochirus): 0.31 mg/l/96 h (Benzalkonium chloride).

12.2 Persistence and degradability

Biodegradable

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and VPVB assessment

No information available.

12.6 Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not empty into drains; dispose of this material and its container in a safe way. To be disposed of as hazardous waste. Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorised waste disposal contractor. Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

14.1 UN number

No classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

14.2 Proper Shipping Name

None.

14.3 Transport hazard class(es)

None.

14.4 Packing Group

None.

14.5 Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

None.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental Regulations/legislation specific for the substance or mixture substance or mixture


15.2 Chemical Safety Assessment

- 

16. OTHER INFORMATION

Full text of Hazard statements and Risk phrases for pure substances listed in section 3.

Hazard Symbol:

H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H360: May damage fertility or the unborn child.
H400: Very toxic to aquatic life.

Risk Phrases:

R22: Harmful if swallowed.
R34: Causes burns.
R50: Very toxic to aquatic organisms.
R60: May impair fertility.
R61: May cause harm to the unborn child.

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The following sections contain revisions or new statements: 1 -16.

Abbreviations:
- CAS = Chemical Abstracts Service;
- CNS = Central Nervous System;
- EINECS = European Inventory of Existing Commercial Chemical Substances;
- EC50 = Effective Concentration 50%
- IARC = International Agency for Research on Cancer;
- IC50 = Inhibitory Concentration 50%
- LC50 = Lethal Concentration 50%
- LD50 = Lethal Dose 50%
- LTEL = Long Term Exposure Limit;
- STEL = Short Term Exposure Limit;
- TWA = Time Weighted Average;

References:

Disclaimer:
The information and recommendations contained herein are based upon data believed to be up-to-date and correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information and recommendations contained herein. We accept no responsibility and disclaim all liability for any harmful effects that may be caused by (incorrect) use, handling, purchase, resale or exposure to our product. Customers and users of our product must only with all applicable health and safety laws, regulations, and orders. In particular, they are under an obligation to carry out a risk assessment for the particular work places and to take adequate risk management measures in accordance with the national implementation legislation of EU Directives 89/391 and 98/24.