1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name: MYSTOX TRP
Use(s): Durable tentage reproofing emulsion
Company Identification: MURPHY AND SON LIMITED
ALPINE STREET, OLD BASFORD
NOTTINGHAM NG6 0HQ, UNITED KINGDOM
Telephone: 01462 457186
Emergency telephone: 01462 457186 (24hrs)

2. HAZARDS IDENTIFICATION

HARMFUL DANGEROUS FOR THE ENVIRONMENT

Physical & Chemical: NON HAZARDOUS
Health: LIMITED EVIDENCE OF A CARCINOGENIC EFFECT. THE PRODUCT CONTAINS A SUBSTANCE THAT HAS A WORKPLACE EXPOSURE LIMIT.
Environmental: TOXIC TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation: AQUEOUS PREPARATION WITH ADDITIVES

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>EINECS/ELINCS</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTIMONY TRIOXIDE</td>
<td>1309-64-4</td>
<td>215-175-0</td>
<td>Carc Cat 3 R40</td>
<td>5-10%</td>
</tr>
<tr>
<td>(±)-1-((2-(2,4-DICHLOROPHENYL)-4-PROPYL-1,3-DIOXOLAN-2-YL) METHYL)-1H-1,2,4-TRIAZOLE</td>
<td>60207-90-1</td>
<td>262-104-4</td>
<td>Xn: R22</td>
<td>&lt; 0.5%</td>
</tr>
<tr>
<td>ZIRCONIUM ACETATE</td>
<td>7585-20-8</td>
<td>231-492-7</td>
<td>Xi: R43</td>
<td></td>
</tr>
<tr>
<td>ZINC BORATE</td>
<td>1332-07-6</td>
<td>215-566-6</td>
<td>N: R50, 53</td>
<td></td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

General information: Remove contaminated clothing immediately, to be disposed of or washed before reuse.
Inhalation: If inhaled, provide fresh air, warmth, rest and if necessary, seek medical advice.
Skin contact: Wash contaminated skin with soap and large quantities of water. If necessary, seek medical advice.
Eye contact: Wash eyes thoroughly with plenty of water until irritation subsides. If necessary (e.g. irritation persists), consult an eye specialist/ophthalmologist.
Ingestion: Allow the patient to vomit on his own accord. Give copious water to drink; if necessary seek medical advice.
5. FIRE FIGHTING MEASURES

General hazard
THE PRODUCT IS NOT FLAMMABLE

Extinguishing media
To suit local surroundings (e.g. water spray, carbon dioxide, foam or chemical powder)

Extinguishing media not to be used
None known.

Special exposure hazards
The thermal decomposition products released should be considered toxic if inhaled.

Protective equipment
Wear self-contained breathing apparatus.

Further information
Avoid run-off water entering the drains (e.g. use barriers)

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up
Adhere to personal protective measures.
Take up with absorbent material, e.g. sand, sawdust into tightly closable containers. Label container and dispose of as prescribed.

Environmental considerations
Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.

7. HANDLING & STORAGE

Advice on safe handling
Handle in accordance with good hygiene and safety practice.

Storage conditions
Ensure adequate ventilation of the storage area. Keep containers tightly closed and dry.

Further information

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls
Monitoring of the workplace should be considered in accordance with EH40 (or equivalent) controls

LTEL (8 hour TWA): ppm 0.5 mg/m³ (WEL data for antimony compounds, as Sb, EH40/2005)

Engineering controls
Ensure adequate ventilation of working area

Personal protection
Observe normal standards for handling chemicals.
It is recommended that those with a medical history of sensitisation should not handle this product.
Avoid contact with skin and eyes. Store working clothes separately.
Wash hands before breaks and after work.
Wear personal protective equipment appropriate to the task (see below)

Eye protection
Safety goggles (e.g. EN 166)

Skin protection
Plastic or rubber gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)

Respiratory protection
Respirator if ventilation is judged to be insufficient.

Other protection
Protective overalls
9. PHYSICAL & CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical form</td>
<td>Viscous emulsion</td>
</tr>
<tr>
<td>Colour</td>
<td>Green</td>
</tr>
<tr>
<td>Odour</td>
<td>Distinctive, non-solvent odour</td>
</tr>
<tr>
<td>pH</td>
<td>Approx. 5</td>
</tr>
<tr>
<td>Boiling pt / range</td>
<td>Not determined. °C</td>
</tr>
<tr>
<td>Melting pt / range</td>
<td>Not determined. °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable. °C</td>
</tr>
<tr>
<td>Density</td>
<td>Approx. 1.2</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>Lower: % (v/v) Higher: % (v/v)</td>
</tr>
<tr>
<td>Viscosity</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

10. STABILITY & REACTIVITY

- **Stability**: Stable under normal conditions of handling.
- **Thermal decomposition**: None known.
- **Conditions to avoid**: None known.
- **Material to avoid**: None known.
- **Hazardous reactions**: None known.
- **Hazardous decomposition products**: None known.

11. TOXICOLOGICAL INFORMATION

- **Acute toxicity**: LD<sub>50</sub> rat (oral) mg/kg No data available.
- **Dermal compatibility**: No data are available.
- **Mucous membrane compatibility**: No data are available.

12. ECOLOGICAL INFORMATION

- **Acute toxicity**: LC<sub>50</sub> Fish mg/l No data available.
- **Degradability**: No data available.
- **Further information**: Zinc borate is classified as very toxic to the aquatic environment. Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.
13. DISPOSAL CONSIDERATIONS

Advice on disposal
In accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.

Contaminated packaging
Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

14. TRANSPORT INFORMATION

United Nations number
UN 3082

Packaging group
III

IMDG code
9/3082/III

RID / ADR
9/III

ICAO / IATA
9/3082/III

Marine pollutant
The product should not be marked as a marine pollutant

Proper shipping name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc borate)

Emergency action code
2X

15. REGULATORY INFORMATION

Classification & labelling
The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 3.1] Contains antimony trioxide; (±)-1-(((2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl) methyl)-1H-1,2,4-triazole; may cause an allergic reaction.

Risk phrases
R40 LIMITED EVIDENCE OF A CARCINOGENIC EFFECT.
R51/53 TOXIC TO AQUATIC ORGANISMS; MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

Safety phrases
S36/37 WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES.
S61 AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEET.
16. OTHER INFORMATION

Further information
The SDS has been revised in the following sections: 1; 2; 3; 8; 13

Sources of data
The Approved Supply List, Approved Carriage List and other suppliers’ safety data sheets

Risk phrases referred to in section 3

- R22: Harmful if swallowed.
- R36/37: Irritating to eyes and respiratory system
- R40: Limited evidence of a carcinogenic effect.
- R43: May cause sensitisation by skin contact
- R50: Very toxic to aquatic organisms
- R53: May cause long-term adverse effects in the aquatic environment.

Date of issue
05-08-2008

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties.