

Catalyst 45B

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product Name: Catalyst 45B
Chemical Name:
Supplier: Jacobson Chemicals Ltd
 Unit 4
 Newman Lane Industrial Estate
 Alton, Hants
 GU34 2QR
Telephone: 01420 86934
Fax: 01420 549574
E-mail: sales@jacobsonchemicals.co.uk

2. COMPOSITION

Substance: A blend of polydimethylsiloxanes, a mixture of alkoxy silanes, an organotin compound and quartz filler.
Substance Name: N/a
EC Index No: N/a
CAS Number: N/a
EEC Number: N/a

| <u>Constituents</u> | <u>Concentration %</u> | <u>CAS No</u> |
|-----------------------|------------------------|---------------|
| Tetraethyl Silicate | 15 - 25 | 78-10-4 |
| Tetra Propyl Silicate | 15 - 25 | 682-01-9 |
| Dibutyl Tin Dilaurate | 5 - 15 | 77-58-7 |

3. HAZARD IDENTIFICATION

Although cross linking agents and catalyst are reasonably hazardous materials, at the concentrations at which they are employed they do not present a major hazard to the user. From the time of initial exposure to moisture, small amounts of lower alcohols are evolved slowly. Complete evolution is normally within 5 days. No significant hazard has been observed with this product when used according to the instructions.

4. FIRST AID MEASURES

Immediate medical attention: Yes
Professional assistance from physician required? Yes
Inhalation: Remove from exposure, rest and keep warm. Get medical attention if any discomfort continues.
Skin Contact: Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye Contact: Wash affected eye(s) with clean, cold water or eyewash for at least 15 minutes. Seek medical attention immediately.
Ingestion: Do not induce vomiting. Seek medical attention immediately and show this safety data sheet.

Information contained in this document is the result of careful tests carried out objectively. It has been produced to aid the Buyer, but without implying any commitment on our part. The Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for his intended purpose. Since we cannot control the application, process, or use of these products, we cannot accept responsibility therefore.

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5. FIRE-FIGHTING MEASURES

| | |
|--------------------------------------|---|
| Suitable extinguishing media: | Carbon dioxide, foam, dry chemical powder or fine water spray. |
| Special protective equipment: | Suitable respiratory equipment. |
| Exposure hazards: | Noxious or toxic vapours may be emitted if the product is involved in a fire. |

6. ACCIDENTAL RELEASE MEASURES

This product is supplied only in tightly sealed containers for the purpose of excluding moisture. Should the container be ruptured the product will readily spill out. Spillages should be absorbed immediately onto sand, earth, sawdust or oil absorbent and swept into containers for safe disposal.

7. HANDLING & STORAGE

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| Handling: | N/a |
| Storage: | The product should be kept sealed in its original containers. |

8. EXPOSURE CONTROLS

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| Take measures to prevent: | Ensure adequate ventilation. |
| Exposure to control limits: | N/a |
| Respiratory protection: | Ensure adequate ventilation when handling the blend with catalyst or auxiliaries. |
| Hand Protection: | Gloves recommended. |
| Eye Protection: | Protective eyewear recommended for use with any industrial product. |
| Skin Protection: | Gloves recommended. |

9. PHYSICAL & CHEMICAL PROPERTIES

| | |
|--------------------------|--|
| Appearance: | Paste |
| Odour: | Characteristic alcoholic |
| Colour: | Off white |
| Flash Point: | 63°C |
| Flammability: | Not classified as flammable under CHIP Regulations 2002. |
| Relative Density: | Approximately 1.10 |
| Dispersability: | Dispersible in aromatic and chlorinated hydrocarbon solvents. Hydrolysed in water. |

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10. STABILITY & REACTIVITY

| | |
|--|--|
| Conditions to avoid: | Prolonged exposure to moist air. |
| Hazardous decomposition products: | Carbon monoxide, carbon dioxide, silicon dioxide and tin oxides. |
| Incompatibility (Materials to avoid): | Prolonged exposure to moist air. |

11. TOXICOLOGICAL INFORMATION

Acute oral LD50 mg/kg: The calculated value is approximately 1500 mg/kg.
 Other hazards to personnel are given in Section 4 "First Aid".
 The Acute oral LD50 (rat) for DBTL is quoted as 175 mg/kg [Ref. "Dangerous Properties of Industrial Materials" 7th. Edition Volume II edited by N. Irving Sax and Richard J. Lewis at Page 1116 Ref No. DDV600].

12. ECOLOGICAL INFORMATION

| | |
|----------------------------|---|
| Possible effects: | |
| Behaviour: | |
| Environmental fate: | Partly biodegradable. This product is a potential water pollutant. Do not allow large quantities to enter drains or surface waters. |

13. DISPOSAL CONSIDERATIONS

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| Likely residues / waste products: | |
| Safe handling of and residues/waste products: | Disposal is notifiable in the U.K. under the Special Wastes Act 1996. Disposal is normally achieved by burning under controlled conditions. Customers outside the U.K. legislation should consult their own local authorities. |

14. TRANSPORT INFORMATION

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| Special carriage precautions in carriage: | - |
| Classification data: | - |
| UN Number: | 3082 |
| Proper Shipping Name: | Environmentally Hazardous Substance, Liquid N.O.S. |
| IMO - Sea: | Class 9, III |
| ICAO - Air: | Class 9, III |
| ADR - Road: | Class 9 |
| Transport Category: | - |
| Limited Quantity Size: | - |
| Additional Data: | Severe marine pollutant. |

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15. REGULATORY INFORMATION

| | |
|----------------------------------|---|
| Supply label information: | Harmful, Dangerous for the Environment |
| Hazard Symbol: | |
| Risk Phrases: | R36/38 - Irritating to eyes and skin. R48/22 - Harmful, danger of serious damage to health by prolonged exposure if swallowed. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| Safety Phrases: | S24/25 - Avoid contact with skin and eyes. S37/39 - Wear suitable gloves and eye/face protection. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S61 - Avoid release to the environment. Refer to special instructions/safety data sheets. S23-A - Do not breathe gas/fumes/spray. |

16. OTHER INFORMATION

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| a) Training needs: | For further information contact our office. |
| b) Recommended uses and restrictions: | |
| c) Further references: | |
| d) Key data sources: | HSE - EH40/99: Occupational exposure limits 2002. HSC - Safety Data Sheets for substances and preparations dangerous for supply. Suppliers Health and Safety Data |

The data contained in this Safety Data Sheet has been supplied as required, by the Chemicals (Hazard Identification and Packaging) Regulations 1994, as amended, for the purposes of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

Please ensure that it is passed to the appropriate person in your company, who is capable of acting on the information.

NOTE:

This data sheet does not constitute a user's assessment of workplace risk as required by HSW Act, COSHH, Management of Health and Safety at Work regulations, or other Health & Safety at Work regulations.