

# Catalyst MH

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

**Product Name:** Catalyst MH  
**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:** N/a  
**Substance Name:** N/a  
**EC Index No:** N/a  
**EEC Number:** N/a

<u>Constituents</u>	<u>CAS No</u>	<u>Cone (%)</u>	<u>Risk</u>
Tetra ethyl silicate	78-10-4	15-25	
Tetra propyl silicate	682-01-9	15-25	
Dibutyl tin dilaurate	77-58-7	5-15	

A blend of polydimethylsiloxanes, a mixture of alkoxy silanes and an organotin compound.

## 3. HAZARD IDENTIFICATION

Although the crosslinking agents and catalyst are reasonably hazardous materials, their low concentrations do not present a major hazard to the user. 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

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<b>Suitable extinguishing media:</b>	Carbon dioxide, foam, dry powder or fine water spray.
<b>Hazards during fire fighting:</b>	Noxious or toxic vapours may be emitted if the product is involved in a fire.
<b>Special fire fighting procedure:</b>	Suitable respiratory equipment.

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>Personal Precautions:</b>	Ensure adequate ventilation. Gloves recommended. Protective eyewear recommended for use with any industrial product.
<b>Methods of Cleaning:</b>	Spillages should be absorbed immediately onto sand, earth, sawdust or oil absorbent and swept into containers for safe disposal. See 13 Disposal Considerations.

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## 7. HANDLING & STORAGE

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The product should be kept sealed in its original containers.

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## 8. EXPOSURE CONTROLS

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<b>Take measures to prevent:</b>	N/a
<b>Exposure to control limits:</b>	N/a
<b>Respiratory protection:</b>	Ensure adequate ventilation.
<b>Hand Protection:</b>	Gloves
<b>Eye Protection:</b>	Protective eyewear.
<b>Skin Protection:</b>	N/a

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## 9. PHYSICAL & CHEMICAL PROPERTIES

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<b>Appearance:</b>	Liquid
<b>Odour:</b>	Characteristic alcoholic
<b>Colour:</b>	Blue
<b>Relative Density:</b>	Approx 1
<b>Flash Point:</b>	63°C
<b>Solubility in water:</b>	Hydrolysed by water.
<b>% volatile by volume:</b>	Dispersible in aromatic and chlorinated hydrocarbon solvents.

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## 10. STABILITY & REACTIVITY

<b>Dangerous reaction:</b>	
<b>Conditions to avoid:</b>	Prolonged exposure to moist air.
<b>Materials to avoid:</b>	Moisture and strong oxidizing agents.
<b>Hazardous decomposition products:</b>	Carbon monoxide, carbon dioxide, silicon dioxide and tin oxides.

## 11. TOXICOLOGICAL INFORMATION

Acute oral LD50 (mg/kg):            Approx 1,500 mg/kg  
 Other hazards to personnel are given in Section 4 "First Aid".  
 The Acute Oral LD50 (rat) for DBTL is 175mg/kg (Ref "Dangerous Properties of Industrial Materials" 7<sup>th</sup> Edition Volume II by N. Irving Sax and Richard) Lewis at Page 1116 Ref No: DDV600).

## 12. ECOLOGICAL INFORMATION

<b>Possible effects:</b>	Water pollutant.
<b>Behaviour:</b>	Partly Biodegradable.
<b>Environmental fate:</b>	This product is a potential water pollutant. Do not allow large quantities to enter drains or surface water.

## 13. DISPOSAL CONSIDERATIONS

Disposable is notifiable in the UK under the Special Wastes Act 1996. Disposal is normally achieved by burning under controlled conditions. Customers outside of UK legislation should consult their own local authorities.

## 14. TRANSPORT INFORMATION

<b>UN Number:</b>	3082
<b>Proper Shipping Name:</b>	Environmentally Hazardous Substance Liquid N.O.S.
<b>Additional Data:</b>	Severe Marine Pollutant
<b>IMO - Sea:</b>	Class 9 III
<b>ICAO - Air:</b>	Class 9 III
<b>ADR - Road:</b>	Class 9
<b>Transport Category:</b>	N/a

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## 15. REGULATORY INFORMATION

<b>Supply label information:</b>	Harmful, Dangerous for the Environment
<b>Hazard Symbol:</b>	XN, N
<b>Risk Phrases:</b>	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.
<b>Safety Phrases:</b>	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.

## 16. OTHER INFORMATION

a) <b>Training needs:</b>	For further information contact our office.
b) <b>Recommended uses and restrictions:</b>	Silicone Emulsion
c) <b>Further references:</b>	
d) <b>Key data sources:</b>	Manufacturer's 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.