

Catalyst P1B

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product Name: Catalyst P1B
Chemical Name:
Supplier: Jacobson Chemicals Ltd
 Unit 4
 Newman Lane Industrial Estate
 Alton
 Hants
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2. COMPOSITION

Substance: N/a
Substance Name: N/a
EC Index No: N/a
CAS Number: N/a
EEC Number: N/a

<u>Constituents</u>	<u>Range</u>	<u>Haz Synt</u>	<u>Risk</u>
Mixtures of polydimethylsiloxanes, inert mineral fillers and organotin compounds.			
Dibutyltindilaurate (CAS: 77-58-7):	10 to 25%	- EEC Classification: Xn - R 21/22-38-41	
Alkyl silicate:	10 to 25%	- EEC Classification : Xi - R 10-36/38.	

3. HAZARD IDENTIFICATION

The most important hazards are: Irritating to skin. Risk of serious damage to eyes.
 Contains volatile constituents - flammable in air.
 According to EEC criteria, this product is classified - IRRITANT.

4. FIRST AID MEASURES

Immediate medical attention: Yes
Professional assistance from physician required? Yes
Inhalation: Not specifically applicable.
Skin Contact: Wipe off as much as possible using a clean, soft, absorbent material. Wash with soap and water. If the skin becomes inflamed (redness, irritation) call a doctor.
Eye Contact: Consult an eye specialist immediately, even if there are no visible injuries. Immediately rinse with plenty of water for a prolonged period, (at least 15 minutes) whilst keeping the eyes wide open.
Ingestion: Do not induce vomiting. Do not allow the person to drink milk or alcohol. Transport to hospital.

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Water spray, foam, powders, carbon dioxide (CO ₂)
Unsuitable extinguishing media:	Strong water jet.
Specific hazards:	During combustion: Toxic and highly flammable gases are released, which increase fire/explosion hazards.
Special firefighting methods:	Cool down the containers/equipment exposed to heat with a water spray.
Required special protective equipment:	Self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Do not attempt to take action without suitable protective equipment: Filtering respiratory protective device. Eye/face protection (safety glasses & visor).
Methods of Cleaning:	Do not discharge into drains or rivers. Collect up the product and place in a spare container - suitably labeled - with a closing device. Keep the recovered product for subsequent disposal. Neutralize non-recoverable product with sand or inert absorbent. Decontaminate and wash the floor with an appropriate self-emulsifying solvent. Dispose of materials or solid residues at an authorized site.

7. HANDLING & STORAGE

Handling:	Ventilation. Avoid contact with moisture/humidity.
Storage:	Does not require any specific or particular technical measures. Store in a cool, well ventilated area. The container tightly closed, protected from humidity. Store away from incompatible materials (Strong oxidizing agents). Stored in plastic bottles (polyethylene, polypropylene) or special metal (steel) containers.

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8. EXPOSURE CONTROLS

Take measures to prevent:	N/a
Exposure to control limits:	Organotin compounds: TLV (TWA): 1mg/m ³ TLV (STEL): 0.2 mg/m ² (expressed as Sn)
Respiratory protection:	If the ventilation is suitable, it is not essential to wear respiratory equipment.
Hand Protection:	Protective gloves made of PVC
Eye Protection:	Safety glasses with side shields.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Viscous paste
Odour:	Ethereal
Colour:	Yellow
Flash Point:	80°C(closed cup according to method ASTM D-56)
Specific Gravity:	0.95 g/cm ³ at 25°C
Solubility:	Practically insoluble in water.
Other:	Miscible (in all proportions) with: - chlorinated solvents - aromatic hydrocarbons - Aliphatic hydrocarbons

10. STABILITY & REACTIVITY

Stability:	Stable at room temperature.
Conditions to avoid:	N/a
Materials to avoid:	Avoid contact with strong oxidizing agents.
Hazardous decomposition products:	Reacts slowly on contact with water releasing: flammable vapours which may generate fire or explosion hazards. Quantity potentially released: 18% of product weight. (n-Propanol).

11. TOXICOLOGICAL INFORMATION

Local Effects:	Irritating to the skin. Extremely irritating to the eyes. May cause severe ocular lesions. May cause irritation to the digestive tract.
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12. ECOLOGICAL INFORMATION

Possible effects:	Slightly soluble and forms a sediment by absorption onto materials or particles in suspension.
Behaviour:	Expected behaviour of product: Water 15%, Soil 85%.
Environmental fate:	Slowly hydrolyses on contact with water. The formed on hydrolysis (1-Propanol): Readily biodegradable. Silicone Component: Not biodegradable. Dibutyltin Dilaurate: EC 50 (Daphnia: Daphnia magna) 24h: 0,66 mg/l. LC 50 (Fish: Brachydanio rerio) 96 h: 2.9 mg/l. (unpublished work)

13. DISPOSAL CONSIDERATIONS

Likely residues / waste products:	N/a
Safe handling of and residues/waste products:	Discharging waste into rivers and drains is forbidden. Dilute with a flammable solvent and incinerate at a licensed installation. Conform to current legislation, regulations and orders.
Contaminated Packaging:	Allow it to drain thoroughly. Rinse with an appropriate solvent. Recover the solvent used for rinsing and incinerate at a licensed site. Dispose of at an approved site. The user's attention is drawn to the possible existence of local regulations regarding disposal.

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14. TRANSPORT INFORMATION

Rail/road (RID/ADR):	Class 6.1 Item number: 32°C Hazard identification number : 60 UN Number : 3146 Labelling: 6.1
Sea (IMO/IMDG):	Description: Butyltridilaurate Class 6.1 UN Number : 3146 Labelling: Marine Pollutant Packaging group: III Marine Pollutant: Yes Page: 6214 Emergency Schedule (EmS): 6.1-04 Medical First Aid Guide (MFAG) 545
Air (ICAO-IATA):	Description: Organotin compound, Solid, N.O.S. UN Number: 3146 Labelling: 6.1 Cargo aircraft Packing instructions: 619 Quantity: 100kg Passenger aircraft packing instructions: 619 Quantity: 200kg Description: Organotin, Solid, N.O.S.

15. REGULATORY INFORMATION

Supply label information:	Irritant
Hazard Symbol:	Xi
Risk Phrases:	R38: Irritating to skin. R41: Risk to serious damage to eyes.
Safety Phrases:	S2: Keep out of the reach of children S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S39: Wear face protection. S46: If swallowed seek medical advice immediately and show this container or label where possible.

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16. OTHER INFORMATION

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| a) Training needs: | For further information contact our office. |
| b) Recommended uses and restrictions: | Catalyst for silicone resins. |
| c) Further references: | |
| d) Key data sources: | 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.