

# BARNES PRODUCTS PTY LTD

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## BREAKABLE GLASS CATALYST

### MATERIAL SAFETY DATA SHEET

#### CHEMICAL PRODUCT

Product Name CAT-108  
Product Classification Catalyst

#### COMPOSITION

Single or Mixture Mixture  
Chemical Identification Alkoxysiloxane mixture  
Hazardous Component(s)/(CAS No.):  
Diorganotin compound/(Confidential)[Poison] : ca.30%  
(See Section 8 of this MSDS for Exposure Guideline)

#### HAZARDS IDENTIFICATION

Hazards Classification Miscellaneous dangerous substances  
(Environmentally hazardous substance)(based on IMO)  
Fire and Explosion Not considered flammable nor combustible, but will  
burn if involved in a fire.  
Potential Health Effect  
Inhalation May cause slight irritation to **mucous membranes and  
upper respiratory tract**  
Skin Contact May cause slight skin irritation, but no significant  
effect.  
Eye Contact May cause slight eye irritation  
Ingestion Toxic

#### FIRST AID MEASURES

Inhalation Remove to fresh air  
Skin Contact Remove product from skin with dry cloth or towel and  
wash exposed area with detergent.  
Eye Contact Immediately flush with plenty of water for at least 15  
minutes and promptly call a physician.  
Ingestion Wash out **mouth** with water provided person is  
conscious. Never give anything by mouth to an  
unconscious person. Call a physician immediately.

#### FIRE FIGHTING MEASURES

Flash Point (method used) 98°C (open cup)  
Flammable Limits Lower: Not measured. Upper: Not measured.  
Extinguishing Media Foam, dry chemical, carbon dioxide.  
Special Fire Fighting Procedure Not required  
Unusual Fire and Explosion Hazard Emits toxic fumes under fire conditions.

**ACCIDENTAL RELEASE MEASURES**

Step to be taken in case material is released or spilled  
Shut off all ignition sources  
Contain the spill or leak  
Scrape up with cardboard or rag in container

**HANDLING AND STORAGE**

Precaution to be taken in handling and storage

Keep container closed when not in use  
Store in cool place  
Keep away from heat, sparks and flame  
Do not lay the container on its side  
Use only with adequate ventilation  
Avoid breathing vapour  
Avoid contact with eyes, skin and clothing  
Avoid contact with water or moisture  
Keep out of reach of children

Information about the emptied container

**Do not re-use this container**  
Keep away from heat, sparks and flame  
Do not puncture or cut this container  
Do not weld on or near this container

**EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure Guidelines      ACGIH TLV-TWA: 0.1mg/m<sup>3</sup>(Sn) ; STEL 0.2mg/m<sup>3</sup>(Sn)(SKIN)  
   OSHA PEL: 8H TWA 0.1mg/m<sup>3</sup>(Sn)[Diorganotin compound]  
   ACGIH TLV-TWA: 200ppm; STEL 250ppm(SKIN)  
   OSHA PEL: 8H TWA 200ppm[1-Propanol; decomposed  
   product]

Respiratory Protection (specify type)

Not required

Ventilation

Local Exhaust:	Recommended
Mechanical (general):	Adequate ventilation system
Special:	Unknown
Other:	Unknown

Protective Gloves

Plastic film or rubber gloves

Eye Protection

Safety glasses

Other Protective Clothing or Equipment

Eyewash Equipment

Work/Hygienic Practices

Keep away from heat, sparks and flame.

Avoid breathing vapour.

Avoid contact with eyes, skin and clothing.

Wash hands and gargle after handling.

**PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point	Not applicable
Vapour Pressure	<1mmHg (25°C) [Alkoxysiloxane]
Vapour Density(air=1)	>1 [Alkoxysiloxane]
Specific Gravity	0.95 (25°C)
Melting Point	Not applicable
Evaporation Rate	<1 (Butyl Acetate=1)[Alkoxysiloxane]
Solubility in Water	Hydrolyzed with water gradually.
Appearance (colour)	Light Yellow, transparent.
Appearance (form)	Liquid
Odour	Slight odour

**STABILITY AND REACTIVITY**

Stability	Unstable (But it will not vigorously polymerize, decompose,condense, or will not become self-reactive under conditions of shocks pressure or temperature.)
Condition to Avoid	Hydrolyzed with water, but no hazard.
Incompatability (material to avoid)	Water, acids or alkalis
Hazardous Decomposition/By-Product	1-Propanol (Flammable Liquid)
Hazardous Polymerization	Will not occur
Condition to Avoid	None

**TOXICOLOGICAL INFORMATION**

Skin Irritation	SKIN-RABBIT: 500mg/24Hr MILD [Diorganotin compound]
Eye Irritation	EYE-RABBIT:100mg/24Hr MODERATE [Diorganotin compound]
Acute Toxicity (LD50)	LD50(Oral/Rat) : 175mg/kg [Diorganotin compound]
Acute Toxicity (LD50)	No information is available
Chronic Toxicity	May cause damage to liver or nerves. [Diorganotin compound]
Carcinogenicity	NTP:Not listed IARC:Not listed
Other Information	OSHA REGULATED:Not listed None

**ECOLOGICAL INFORMATION**

Biodegradation	No information is available
Bioaccumulation	No information is available
Aquatic Toxicity	No information is available
Other Information	None

**DISPOSAL CONSIDERATIONS**

Can be burned in a chemical incinerator equipped with an afterburner and scrubber.  
Do not dispose the emptied container unlawfully. Observe all federal, state and local laws.

**TRANSPORT INFORMATION**

UN No UN 3082  
IMO Classification/Class Miscellaneous Dangerous Substances/Class 9  
Packaging Group 111  
Proper Shipping Name Environmentally hazardous substances, Liquid N.O.S.  
Technical Shipping Name Contains Diorganotin Compound  
Marine Pollutant PP [Diorganotin compound]  
Dot Reportable Quantity(RQ):  
Hazard Substance(s) Name/(CAS No) Contents and RQ Not applicable

**REGULATORY INFORMATION**

Toxic Substances Control Act (TSCA) Status  
Listed on the TSCA Inventory

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SUPERFUNDED AMENDMENTS AND REAUTHORISATION ACT OF 1986 (SARA) TITLE 111  
SECTION 313 SUPPLIER NOTIFICATION:

This regulation requires submission of annual reports of toxic chemical(s) that appear in section 313 of the emergency planning and community Right-To-Know Act of 1986 and 40 CFR 372. This information must be included in all MSDS's that are copied and distributed for the material.

The toxic chemical(s) contained in this product are:  
CHEMICAL NAME/(CAS No.) AND CONTENTS: None

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CALIFORNIA PROPOSITION 65:

This regulation requires a warning for Californian Proposition 65 Chemical(s) under the statute. The California proposition 65 Chemical(s) contained in this product are:

CHEMICAL NAME/(CAS No.) AND CONTENTS: None

**OTHER INFORMATION**

**For Industrial Use Only**

This materials safety data sheet is offered solely for your information, consideration and investigation. The data described in this MSDS consists of data on literature, our aquisitional data and analogical inference by data of similar chemical substance or product. Shin-Etsu Chemical Co., Ltd provides no warranties, either expresses or implied and assumes no responsibility for the accuracy or completeness of the data contained herein.

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