



MATERIAL SAFETY DATA SHEET

Version: 1.15
01/09/2012

DBT 04J Tin Catalyst (DBT)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer Name: Momentive performance material
260 Hudson River Rd
Waterford NY 12188

Revised: 01/09/2012
Prepared by PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
CHEMTREC 1-800-424-9300

Chemical Family/Use: Catalyst
Formula: Catalyst

HMIS

FLAMMABILITY: 1 Reactivity: 0 Health: 2

NFPA

Flammability: 1 Reactivity: 0 Health: 2

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING! Causes skin and eye irritation. Harmful: danger of serious damage to health by prolonged exposure if swallowed.

Form: Liquid

Color: Colorless

Odor: Faint

POTENTIAL HEALTH EFFECTS

INGESTION

Affects: - mouth, throat, esophagus and stomach Causes the following effects: - discomfort or pain in the mouth, throat, chest and abdomen

SKIN

Causes the following effects: - discomfort or pain - swelling

INHALATION

Vapors given off by heated product may be harmful. May cause irritation to the respiratory system.

EYES.

Causes the following effects: - discomfort or pain - excess blinking - tear production - marked excess redness of the conjunctivae - swelling of the conjunctivae

MEDICAL CONDITIONS AGGRAVATED

Central nervous system disorders.

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Central nervous system.

CHRONIC EFFECTS / CARCINOGENICITY

This product or one of its ingredients present at 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

ROUTES OF EXPOSURE

Dermal; Oral; Eye

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>PRODUCT COMPOSITION</u>	<u>CAS-No.</u>	<u>WGT. %</u>
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A. HAZARDOUS

Dibutyltin Dilaurate	77-58-7	60 - 100 %
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B. NON-HAZARDOUS**4. FIRST AID MEASURES****SKIN**

Wash area with soap and water. Wash contaminated clothing before reuse.

INHALATION

Move to fresh air. Get medical attention if symptoms persist.

5. FIRE-FIGHTING MEASURES

FLASH POINT:	+/- 191 °C; 376 °F
METHOD	other methods
IGNITION TEMPERATURE:	> 300 °C; 572 °F
FLAMMABLE LIMITS LEL:	3.30 %(V).
FLAMMABLE LIMITS UEL:	19.00 %(V).

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SENSITIVITY TO MECHANICAL IMPACT: No**SENSITIVITY TO STATIC DISCHARGE**

Sensitivity to static discharge is not expected., Do not taste or swallow., Wash thoroughly after handling.

EXTINGUISHING MEDIA

All standard extinguishing agents are suitable.

SPECIAL FIRE FIGHTING PROCEDURES

Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**

Wipe, scrape or soak up in an inert material and put in a container for disposal. Warn other workers of spill. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section. Avoid runoff to natural waters a component is known to be toxic to marine life.

7. HANDLING AND STORAGE**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Use only in well-ventilated areas. Avoid contact with skin and eyes. Avoid inhalation of vapors and spray mists. Keep container closed. Wash hands before eating, drinking, or smoking. Keep out of reach of children.

STORAGE

Store in tightly closed original container in a dry and cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**ENGINEERING CONTROLS**

Eye wash facilities and emergency shower must be available when handling this product.

RESPIRATORY PROTECTION

None known.

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None known.

Exposure Guidelines

<u>Component</u>	<u>CAS-No.</u>	<u>Source</u>	<u>Value</u>
Dibutyltin Dilaurate	77-58-7	ACGIH, TWA	0.1 mg/m3
Dibutyltin Dilaurate	77-58-7	ACGIH, STEL	0.2 mg/m3
Dibutyltin Dilaurate	77-58-7	ACGIH, SKIN_DES	Can be absorbed through the skin.
Dibutyltin Dilaurate	77-58-7	OSHA Z1, PEL	0.1 mg/m3
Dibutyltin Dilaurate	77-58-7	ACGIH, TWA	2 mg/m3
Dibutyltin Dilaurate	77-58-7	OSHA Z1, PEL	2 mg/m3

Absence of values indicates none found

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average; INTL REL - Internal Recommended Exposure Limit

OSHA revoked the Final Rule Limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1993. See 29 CFR 1910.1000 (58 FR 35338).

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (°C):	205 °C; 401 °F
VAPOR PRESSURE:	Negligible
VAPOR DENSITY (AIR=1):	No data available.
FREEZING POINT:	Not applicable
PHYSICAL STATE:	Liquid
ODOR:	Faint
Color:	Colorless
EVAPORATION RATE (BUTYL ACETATE=1):	No data available.
SPECIFIC GRAVITY:	1.28
DENSITY:	ca. 1.280 g/cm3
ACID / ALKALINITY (MEQ/G):	No data available.
pH:	Not applicable
SOLUBILITY IN WATER (20 C):	Slightly Soluble
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):	No data available.
VOC EXCL. H2O & EXEMPTS (G/L):	27 g/l

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Stable

HAZARDOUS POLYMERIZATION.

Hazardous polymerisation does not occur.

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

Carbon dioxide; Carbon Monoxide.; Formaldehyde.; Tin fumes.

INCOMPATIBLE MATERIALS

None known.

CONDITIONS TO AVOID

None known.

11. TOXICOLOGICAL INFORMATION**ACUTE ORAL**

Remarks: Not applicable

ACUTE DERMAL

Remarks: Not applicable

ACUTE INHALATION

Remarks: Not applicable

OTHER

Contains dibutyl tin dilaurate which may cause birth defects and reproductive effects based on animal data.,In animal studies with repeated oral application of dibutyl tin compounds toxic effects were observed on the liver, bile duct, brain and immune system.
25.00

SENSITIZATION

No data available.

SKIN IRRITATION.

Species: Rabbit; Irritant.

EYE IRRITATION

Species: Rabbit ; Result: Irritating to eyes.

MUTAGENICITY

No data available.

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None known.

12. ECOLOGICAL INFORMATION**ECOTOXICITY**

No data available.

DISTRIBUTION

No data available.

CHEMICAL FATE

No data available.

13. DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT SHIPPING NAME:	Environmentally hazardous substances, liquid, n.o.s.(DIBUTYLTIN DILAURATE)
DOT HAZARD CLASS:	9
DOT LABEL (S):	9
UN/NA NUMBER:	UN3082 NA 3082
PACKING GROUP:	III
IMDG SHIPPING NAME:	Environmentally hazardous substances, liquid, n.o.s.(DIBUTYLTIN DILAURATE)
CLASS:	9
IMDG-Labels:	9
UN NUMBER:	UN3082
PACKING GROUP:	III
EmS No.:	F-A; S-F
IATA:	Environmentally hazardous substances, liquid, n.o.s.(DIBUTYLTIN DILAURATE)
CLASS:	9
ICAO-Labels:	9MI
UN NUMBER:	UN3082

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Tin Catalyst (DBT)**PACKING GROUP:** III

Further Information: This substance/preparation meets the criteria of a Marine Pollutant (see IMDG paragraph 2.9.3.3) but is not identified in the IMDG Code (Marpol list). As such, substance/preparation shall be transported as a marine pollutant in accordance with the IMDG code.

15. REGULATORY INFORMATION**Inventories**

Australia Inventory of Chemical Substances (AICS)	y (positive listing)	
EU list of existing chemical substances	y (positive listing)	
Japan Inventory of Existing & New Chemical Substances (ENCS)	y (positive listing)	
China Inventory of Existing Chemical Substances	y (positive listing)	
Korea Existing Chemicals Inventory (KECI)	y (positive listing)	
Canada DSL Inventory	y (positive listing)	
Canada NDSL Inventory	n (Negative listing)	
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (positive listing)	
TSCA list	y (positive listing)	On TSCA Inventory

For inventories that are marked as quantity restricted or special cases, please contact Momentive.

US Regulatory Information**SARA (311,312) HAZARD CLASS**
Acute Health Hazard**SARA (313) CHEMICALS****CALIFORNIA PROPOSITION 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canadian Regulatory Information**WHMIS CLASSIFICATION**

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D1B - Toxic Material Causing Immediate and Serious Toxic Effects

D2B - Toxic Material Causing Other Toxic Effects

16. OTHER INFORMATION**OTHER**

C = ceiling limit NEGL = negligible
EST = estimated NF = none found
NA = not applicable UNKN = unknown
NE = none established REC = recommended
ND = none determined V = recommended by vendor
SKN = skin TS = trade secret
R = recommended MST = mist
NT = not tested STEL = short term exposure limit
ppm = parts per million ppb = parts per billion

By-product= reaction by-product, TSCA inventory status not required under 40 CFR part 720.30(h-2).
, These data are offered in good faith as typical values and not as product specifications. No warranty,
either expressed or implied, is made. The recommended industrial hygiene and safe handling
procedures are believed to be generally applicable. However, each user should review these
recommendations in the specific context of the intended use and determine whether they are
appropriate.