

RTV11 001-KIT-Sample(1LB-0,454KG)

Tin Catalyst - Dangerous goods in Excepted Quantities

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By: Waterford Plant
260 Hudson River Rd
Waterford NY 12188

Revised: 08/28/2007
Preparer: 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 eye and skin irritation. May cause irritation of the respiratory tract. Harmful: danger of serious damage to health by prolonged exposure if swallowed. May cause adverse reproductive effects. Adverse reproductive effects reported in animals.

Form: Liquid

Color: White

Odor: Slight

POTENTIAL HEALTH EFFECTS

INGESTION

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

SKIN

Causes severe irritation. Causes the following effects: - discomfort or pain - possible local redness - swelling Harmful if absorbed through the skin.

INHALATION

Vapors given off by heated product may be harmful. May cause irritation of the respiratory tract.

EYES

Causes severe irritation. 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.

SUBCHRONIC (TARGET ORGAN)

Central nervous system

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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.; Eyes

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>PRODUCT COMPOSITION</u>	<u>CAS REG NO.</u>	<u>WGT. %</u>
<u>A. HAZARDOUS</u>		
Dibutyltin Dilaurate	77-58-7	> 90 %

B. NON-HAZARDOUS**4. FIRST AID MEASURES****INGESTION**

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person. Obtain medical attention immediately.

SKIN

Wash off with soap and water. Remove and wash contaminated clothing before re-use. Get medical attention if symptoms occur.

INHALATION

Move to fresh air. If symptoms persist, call a physician.

EYES

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

NOTE TO PHYSICIAN

Treatment is symptomatic and supportive.

5. FIRE-FIGHTING MEASURES**FLASH POINT:**

> 121 °C; 250 °F

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METHOD: closed cup
IGNITION TEMPERATURE: >300
FLAMMABLE LIMITS IN AIR - LOWER (%): 3.30 %(V)
FLAMMABLE LIMITS IN AIR - UPPER (%): 19.00 %(V)

SENSITIVITY TO MECHANICAL IMPACT: No

SENSITIVITY TO STATIC DISCHARGE

Sensitivity to static discharge is not expected., Do not 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 vapour or mist. Keep container closed when not in use. Wash hands before eating and smoking. Keep away from children.

STORAGE

Keep tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS

Eyewash stations; Showers; Exhaust ventilation

RESPIRATORY PROTECTION

None known.

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PROTECTIVE GLOVES

Impermeable or chemical resistant gloves.

EYE AND FACE PROTECTION

Safety glasses with side-shields

OTHER PROTECTIVE EQUIPMENT

None known.

Exposure Guidelines

Component	CAS RN	Source	Value
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

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 & F:	>300
VAPOR PRESSURE (20 C) (MM HG):	Negligible
VAPOR DENSITY (AIR=1):	No data available
FREEZING POINT:	Not applicable
MELTING POINT:	Not applicable
PHYSICAL STATE:	Liquid
ODOR:	Slight
COLOR:	White
EVAPORATION RATE (BUTYL ACETATE=1):	No data available
SPECIFIC GRAVITY (WATER=1):	1.28
DENSITY:	ca. 1.280 g/cm3
ACID / ALKALINITY (MEQ/G):	Unknown
pH:	Not applicable
VOLATILE ORGANIC CONTENT (VOL):	No data available
SOLUBILITY IN WATER (20 C):	Slightly soluble in water
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):	Unknown
VOC EXCL. H2O & EXEMPTS (G/L):	631.55

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10. STABILITY AND REACTIVITY

STABILITY

Stable

HAZARDOUS POLYMERIZATION

Will not occur

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

Carbon dioxide (CO₂); Formaldehyde; Carbon monoxide; Silicon dioxide.; Tin fumes.

INCOMPATIBILITY (MATERIALS TO AVOID)

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 dibutyltin compound(s) - May impair fertility. May cause harm to unborn child., In animal studies with repeated oral application of dibutyl tin compounds toxic effects were observed on the liver, bile duct, brain and immune system.

SENSITIZATION

No data available

SKIN IRRITATION

Species: Rabbit.; Irritant

EYE IRRITATION

Species: Rabbit. ; Result: Irritating to eyes.

MUTAGENICITY

Unknown

OTHER EFFECTS OF OVEREXPOSURE

None known.

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12. ECOLOGICAL INFORMATION

ECOTOXICITY

No data available

DISTRIBUTION

No data available

CHEMICAL FATE

No data available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD

Disposal should be made in accordance with federal, state and local regulations., Incineration recommended in approved incinerator according to federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT SHIPPING NAME: LTD QTY - Environmentally hazardous substance, liquid,
n.o.s.(DIBUTYLTINDILAUATE)
DOT HAZARD CLASS: 9
DOT LABEL (S): 9
UN/NA NUMBER: UN3082
PACKING GROUP: III

IMDG SHIPPING NAME: LTD QTY - Environmentally hazardous substance, liquid,
n.o.s.(DIBUTYLTINDILAUATE)
CLASS: 9
IMDG-LABELS: 9
UN NUMBER: UN3082
PACKING GROUP: III
EMS No: F-A; S-F

15. REGULATORY INFORMATION

Inventories

Canada DSL Inventory y (Positive listing)

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

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; Chronic Health Hazard

SARA (313) CHEMICALS

Canadian Regulatory Information

WHMIS HAZARD CLASS

D1B TOXIC MATERIALS, D2B TOXIC MATERIALS

CALIFORNIA PROPOSITION 65

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

16. OTHER INFORMATION

OTHER

C = ceiling limit applicable UNKN = unknown determined V = recommended by vendor 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.

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.

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