

**RTV88 012-Pail Kit (12.1LBS-5.48KG)**

**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:** 01/30/2008  
**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

**RTV88 012-Pail Kit (12.1LBS-5.48KG)****Tin Catalyst - Dangerous goods in Excepted Quantities****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.; Eyes

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>PRODUCT COMPOSITION</u>	<u>CAS REG NO.</u>	<u>WGT. %</u>
<b><u>A. HAZARDOUS</u></b>		
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

<b>BOILING POINT - C &amp; F:</b>	204 °C; 399 °F
<b>VAPOR PRESSURE (20 C) (MM HG):</b>	Negligible
<b>VAPOR DENSITY (AIR=1):</b>	No data available
<b>FREEZING POINT:</b>	Not applicable
<b>MELTING POINT:</b>	Not applicable
<b>PHYSICAL STATE:</b>	Liquid
<b>ODOR:</b>	Slight
<b>COLOR:</b>	White
<b>EVAPORATION RATE (BUTYL ACETATE=1):</b>	No data available
<b>SPECIFIC GRAVITY (WATER=1):</b>	1.28
<b>DENSITY:</b>	ca. 1.280 g/cm3
<b>ACID / ALKALINITY (MEQ/G):</b>	Unknown
<b>pH:</b>	Not applicable
<b>VOLATILE ORGANIC CONTENT (VOL):</b>	No data available
<b>SOLUBILITY IN WATER (20 C):</b>	Slightly soluble in water
<b>SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):</b>	Unknown
<b>VOC EXCL. H2O &amp; EXEMPTS (G/L):</b>	27

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**10. STABILITY AND REACTIVITY**

**STABILITY**

Stable

**HAZARDOUS POLYMERIZATION**

Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS**

Carbon dioxide (CO<sub>2</sub>); 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 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.

**SENSITIZATION**

No data available

**SKIN IRRITATION**

Species: Rabbit.; Irritant

**EYE IRRITATION**

Species: Rabbit. ; Result: Irritating to eyes.

**MUTAGENICITY**

Unknown

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**OTHER EFFECTS OF OVEREXPOSURE**

None known.

**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.(DIBUTYLTIN DILAURATE)  
**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.(DIBUTYLTIN DILAURATE)  
**CLASS:** 9  
**IMDG-LABELS:** 9  
**UN NUMBER:** UN3082  
**PACKING GROUP:** III  
**EMS No:** F-A; S-F

**15. REGULATORY INFORMATION**

**Inventories**

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Canada DSL Inventory	y (Positive listing)	
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****CALIFORNIA PROPOSITION 65**

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

**Canadian Regulatory Information****WHMIS HAZARD CLASS**

D1B TOXIC MATERIALS, D2B TOXIC MATERIALS

**Other****SCHDLE B/HTSUS:** 3910.00.00.00 Silicones in primary form**ECCN:** EAR99

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**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.