

**RTV11 001-KIT (1.0 Lbs-0.457 Kg)  
Tin Catalyst**

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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

**Revised:** 06/28/2004

**Preparer:** PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS  
**CHEMTREC** 1-800-424-9300

**Chemical Family/Use:** Catalyst  
**Formula:** Catalyst

**HMIS**  
Flammability: 0      Reactivity: 0      Health: 1      Prot. Equipm.:

**NFPA**  
Flammability: 0      Reactivity: 0      Health: 1      Special Haz.:

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

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

Dibutyltin dilaurate      77-58-7      > 90 %

**B. NON-HAZARDOUS**

**3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

WARNING! Irritating to eyes, respiratory system and skin. Harmful if swallowed, inhaled, or absorbed through the skin. Severe eye irritation

Form: Liquid      Color: White      Odor: Slight smell

**POTENTIAL HEALTH EFFECTS**

**INGESTION**

Harmful if swallowed.

**SKIN**

Causes skin irritation. Harmful if absorbed through the skin.

**INHALATION**

Vapors given off by heated product may be harmful.

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**EYES**

Severe eye irritation

**MEDICAL CONDITIONS AGGRAVATED**

Central nervous system disorders.

**SUBCHRONIC (TARGET ORGAN )**

Central nervous system

**CHRONIC EFFECTS / CARCINOGENICITY**

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

**ROUTES OF EXPOSURE**

dermal; Oral.; Eyes

**OTHER**

None known.

**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.

**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.

**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**

None known.

**5. FIRE-FIGHTING MEASURES**

<b>FLASH POINT:</b>	> 121 °C; 249.80 °F
<b>METHOD:</b>	PMCC.
<b>IGNITION TEMPERATURE:</b>	>300
<b>FLAMMABLE LIMITS IN AIR - LOWER (%):</b>	3.30 %(V)
<b>FLAMMABLE LIMITS IN AIR - UPPER (%):</b>	19.00 %(V)

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**SENSITIVITY TO MECHANICAL IMPACT:** No

**SENSITIVITY TO STATIC DISCHARGE**  
Sensitivity to static discharge is not expected.

**EXTINGUISHING MEDIA**  
All standard firefighting media

**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**

### **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.

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

**ENGINEERING CONTROLS**  
Eyewash stations;

**RESPIRATORY PROTECTION**  
None known.

**PROTECTIVE GLOVES**  
Cloth gloves.

**EYE AND FACE PROTECTION**  
Safety glasses

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**OTHER PROTECTIVE EQUIPMENT**

None known.

**Exposure Guidelines**

<b>Component</b>	<b>CAS RN</b>	<b>Source</b>	<b>Value</b>
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 Z1A, TWA	0.1 mg/m3
Dibutyltin dilaurate	77-58-7	OSHA Z1A, SKIN_FINAL	Can be absorbed through the skin.

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>	>300
<b>VAPOR PRESSURE (20 C) (MM HG):</b>	NEG.
<b>VAPOR DENSITY (AIR=1):</b>	
<b>FREEZING POINT:</b>	NA
<b>MELTING POINT:</b>	NA
<b>PHYSICAL STATE:</b>	Liquid
<b>ODOR:</b>	Slight smell
<b>COLOR:</b>	White
<b>EVAPORATION RATE (BUTYL ACETATE=1):</b>	
<b>SPECIFIC GRAVITY (WATER=1):</b>	1.28
<b>DENSITY (KG/M3):</b>	~1280
<b>ACID / ALKALINITY (MEQ/G):</b>	UNKNOWN
<b>pH:</b>	NA
<b>VOLATILE ORGANIC CONTENT (VOL):</b>	
<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>	<6

**10. STABILITY AND REACTIVITY**
**STABILITY**

Stable

**HAZARDOUS POLYMERIZATION**

Will not occur

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**HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS**  
carbon dioxide (CO<sub>2</sub>); formaldehyde; Carbon monoxide; Silicon dioxide.

**INCOMPATIBILITY (MATERIALS TO AVOID)**  
None known.

**CONDITIONS TO AVOID**  
None known.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE ORAL**  
Not applicable.

**ACUTE DERMAL**  
Not applicable.

**ACUTE INHALATION**  
Not applicable.

**OTHER**  
None.

**SENSITIZATION**

**SKIN IRRITATION**

**EYE IRRITATION**

**MUTAGENICITY**  
Unknown

**12. ECOLOGICAL INFORMATION**

**ECOTOXICOLOGY**  
no data available

**CHEMICAL FATE**  
no data available

**DISTRIBUTION**

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**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**

**Not Regulated if Section is Blank**

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

**15. REGULATORY INFORMATION**

**US Regulatory Information**

<u>CERCLA</u>		<u>CERCLA Reportable Quantity</u>
<u>PRODUCT COMPOSITION</u>	<u>Chemical</u>	

**CLEAN AIR ACT**

**CLEAN WATER ACT**

**SARA SECTION 302**

**SARA (311,312) HAZARD CLASS**  
Acute Health Hazard; Chronic Health Hazard

**SARA (313) CHEMICALS**

**Canadian Regulatory Information**

**WHMIS HAZARD CLASS**  
D2A VERY TOXIC MATERIALS, D2B TOXIC MATERIALS



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**Other**

**SCHDLE B/HTSUS:** 3910.00.0000 Silicones in primary forms

**ECCN:** EAR99

**CALIFORNIA PROPOSITION 65**

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

**16. OTHER INFORMATION**

**OTHER**

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..... 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 By-product = reaction by-product; TSCA inventory status not required under 40 CFR part 720.30(h-2) SKN = skin TS = trade secret R = recommended MST = mist ST = short term exposure limit NT = not tested ppm = parts per million ppb = parts per billion .....