

**RTV11 001-KIT (1.0 Lbs-0.456 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

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

BOILING POINT - C & F:	>300
VAPOR PRESSURE (20 C) (MM HG):	NEG.
VAPOR DENSITY (AIR=1):	
FREEZING POINT:	NA
MELTING POINT:	NA
PHYSICAL STATE:	Liquid
ODOR:	Slight smell
COLOR:	White
EVAPORATION RATE (BUTYL ACETATE=1):	
SPECIFIC GRAVITY (WATER=1):	1.28
DENSITY (KG/M3):	~1280
ACID / ALKALINITY (MEQ/G):	UNKNOWN
pH:	NA
VOLATILE ORGANIC CONTENT (VOL):	
SOLUBILITY IN WATER (20 C):	Slightly soluble in water
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):	Unknown
VOC EXCL. H2O & EXEMPTS (G/L):	<6

10. STABILITY AND REACTIVITY**STABILITY**

Stable

HAZARDOUS POLYMERIZATION

Will not occur

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HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS
carbon dioxide (CO₂); 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>Chemical</u>	<u>CERCLA Reportable Quantity</u>
<u>PRODUCT COMPOSITION</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: 3910.00.00.00 Silicones in primary form

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