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

<table>
<thead>
<tr>
<th>PRODUCT COMPOSITION</th>
<th>CAS REG NO.</th>
<th>WGT. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. HAZARDOUS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dibutyltin dilaurate</td>
<td>77-58-7</td>
<td>&gt; 90 %</td>
</tr>
</tbody>
</table>

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.
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)
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
OTHER PROTECTIVE EQUIPMENT

None known.

Exposure Guidelines

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS RN</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dibutyltin dilaurate</td>
<td>77-58-7</td>
<td>ACGIH, TWA</td>
<td>0.1 mg/m3</td>
</tr>
<tr>
<td>Dibutyltin dilaurate</td>
<td>77-58-7</td>
<td>ACGIH, STEL</td>
<td>0.2 mg/m3</td>
</tr>
<tr>
<td>Dibutyltin dilaurate</td>
<td>77-58-7</td>
<td>ACGIH, SKIN_DES</td>
<td>Can be absorbed through the skin.</td>
</tr>
<tr>
<td>Dibutyltin dilaurate</td>
<td>77-58-7</td>
<td>OSHA Z1A, TWA</td>
<td>0.1 mg/m3</td>
</tr>
<tr>
<td>Dibutyltin dilaurate</td>
<td>77-58-7</td>
<td>OSHA Z1A, SKIN_FINAL</td>
<td>Can be absorbed through the skin.</td>
</tr>
</tbody>
</table>

Absence of values indicates none found

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average


9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

STABILITY

Stable

HAZARDOUS POLYMERIZATION

Will not occur
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
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. (DIBUTYTINDILAURATE,)
DOT HAZARD CLASS: 9
DOT LABEL (S): Miscellaneous hazardous material
UN/NA NUMBER: UN3082
PACKING GROUP: III

15. REGULATORY INFORMATION

US Regulatory Information

CERCLA
PRODUCT COMPOSITION Chemical CERCLA Reportable Quantity

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
Other

SCHEDULE 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  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 ..............................