1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By: Momentive performance material  
260 Hudson River Rd  
Waterford NY 12188  
Revised: 11/09/2010  
Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS  
CHEMTREC 1-800-424-9300

Chemical Family/Use: Catalyst  
Formula: Mixture

HMIS  
Flammability: 0  Reactivity: 0  Health: 2

NFPA  
Flammability: 0  Reactivity: 0  Health: 2

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
WARNING! Irritating to eyes, respiratory system and skin. May cause allergic skin reaction. May cause severe eye irritation, may damage tissue. Adverse reproductive effects reported in animals.

Form: Liquid  Color: yellow  Odor: Slight

POTENTIAL HEALTH EFFECTS

INGESTION
Harmful if swallowed. Causes vomiting, nausea, and diarrhea. May cause tissue damage. Irritation of the mouth, throat, and stomach.

SKIN
May cause allergic skin reaction. May be absorbed through the skin and contribute to the symptoms listed under "Ingestion". May cause severe skin irritation. May cause skin burns.

INHALATION
Causes irritation of the mouth, nose, and throat. May cause damage to nasal and respiratory passages. Vapors given off by heated product may be harmful. Inhalation of mist may cause damage to nasal and respiratory passages.

EYES
Causes severe eye irritation may damage tissue. May harm vision. May cause eye burns.

MEDICAL CONDITIONS AGGRAVATED
Respiratory disorder Skin disorders.
STO 04J
Stannous Octoate

SUBCHRONIC (TARGET ORGAN)
Respiratory disorder; Liver and kidney damage.; Product contains a component where fetal toxicity has been shown in reproductive studies on animals.; Product contains a component which showed reduced weight gain in experimental studies with mice and rats.

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
Inhalation; dermal; Eyes

3. 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>STANNOUS OCTOATE</td>
<td>301-10-0</td>
<td>60 - 100 %</td>
</tr>
<tr>
<td>2-Ethylhexanoic acid</td>
<td>149-57-5</td>
<td>1 - 5 %</td>
</tr>
<tr>
<td>B. NON-HAZARDOUS</td>
<td></td>
<td></td>
</tr>
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</tr>
</tbody>
</table>

4. FIRST AID MEASURES

INGESTION
Do not induce vomiting. Slowly dilute with 2 glasses of water and seek medical attention. Never give anything by mouth to an unconscious person.

SKIN
In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention.

INHALATION
If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.

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

NOTE TO PHYSICIAN
None known.

5. FIRE-FIGHTING MEASURES

FLASH POINT: 142 °C; 288 °F
METHOD: PENSKY-MARTENS
IGNITION TEMPERATURE: No data available.
FLAMMABLE LIMITS IN AIR - LOWER (%): Not applicable
FLAMMABLE LIMITS IN AIR - UPPER (%): Not applicable

SENSITIVITY TO MECHANICAL IMPACT: No

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

EXTINGUISHING MEDIA
Carbon dioxide, Dry chemical., Water mist

SPECIAL FIRE FIGHTING PROCEDURES
Wear suitable protective equipment., Positive-pressure self-contained breathing apparatus., Toxic vapors are emitted in a fire condition.

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. Wear proper protective equipment as specified in the protective equipment section. Warn other workers of spill. Increase area ventilation. 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. Keep out of reach of children. Keep container tightly closed. Avoid inhalation of vapors and spray mists.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS
   Use only in well-ventilated areas.; Eyewash stations; Showers

RESPIRATORY PROTECTION
   Use only in well-ventilated areas. Use approved NIOSH respiratory protection if TLV exceeded or overexposure is likely.

PROTECTIVE GLOVES
   Rubber or plastics gloves

EYE AND FACE PROTECTION
   Safety glasses; Monogoggles

OTHER PROTECTIVE EQUIPMENT
   Wear suitable protective clothing and eye/face protection.

Exposure Guidelines

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS RN</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>STANNOUS OCTOATE</td>
<td>301-10-0</td>
<td>ACGIH, TWA</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>STANNOUS OCTOATE</td>
<td>301-10-0</td>
<td>OSHA Z1, PEL</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>2-Ethylhexanoic acid</td>
<td>149-57-5</td>
<td>ACGIH, TWA</td>
<td>Inhalable fraction and vapor. 5 mg/m³</td>
</tr>
</tbody>
</table>

Absence of values indicates none found

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average; INTL REL - Internal Recommended Exposure Limit


9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT - C & F: Unknown
VAPOR PRESSURE (20 C) (MM HG): No data available.
FREEZING POINT: Not applicable
PHYSICAL STATE: Liquid
ODOR: Slight
COLOR: yellow
SPECIFIC GRAVITY (WATER=1): 1.25
DENSITY: ca. 1.258 g/cm³
ACID / ALKALINITY (MEQ/G): No data available.
PH: No data available.
SOLUBILITY IN WATER (20 C): Slightly soluble in water
STO 04J
Stannous Octoate

SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): Soluble in toluene
VOC EXCL. H2O & EXEMPTS (G/L): 211 g/l

10. STABILITY AND REACTIVITY

STABILITY
Stable

HAZARDOUS POLYMERIZATION
Hazardous polymerisation does not occur.

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS
Tin fumes;

INCOMPATIBILITY (MATERIALS TO AVOID)
Contact with oxidizing agents.

CONDITIONS TO AVOID
None known.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL
Remarks: No data available.

ACUTE DERMAL
Remarks: No data available.

ACUTE INHALATION
Remarks: No data available.

OTHER
None.

MUTAGENICITY
No data available.

OTHER EFFECTS OF OVEREXPOSURE
Birth defects and other adverse effects on offspring were noted in rats given a single 1800 mg/kg oral dose of Ethylhexanoic acid on day 12 of pregnancy. This dose was maternally toxic. No birth defects were noted at lower doses of 500-1200 mg/kg, even though these doses also produced adverse effects on the mothers. No birth defects were noted in rabbits, even at doses which were maternally toxic., Ethylhexanoic acid produced no genetic changes in standard tests using bacterial cells, but did produce a positive response in a test using human white blood cells.
12. ECOLOGICAL INFORMATION

ECOTOXICITY

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.

14. TRANSPORT INFORMATION

Further Information: This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

15. REGULATORY INFORMATION

Inventories

Australia Inventory of Chemical Substances (AICS) y (positive listing)
EU list of existing chemical substances y (positive listing)
China Inventory of Existing Chemical Substances y (positive listing)
Korea Existing Chemicals Inventory (KECI) y (positive listing)
Canada DSL Inventory y (positive listing)
Canada NDSL Inventory n (Negative listing)
Philippines Inventory of Chemicals and Chemical Substances (PICCS) y (positive listing)
TSCA list y (positive listing)

For inventories that are marked as quantity restricted or special cases, please contact Momentive.

US Regulatory Information
STO 04J
Stannous Octoate

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

SARA (313) CHEMICALS

CALIFORNIA PROPOSITION 65
WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
149-57-5, Hexanoic acid, 2-ethyl.

Canadian Regulatory Information

WHMIS HAZARD CLASS
D2B - Toxic Material Causing Other Toxic Effects

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.