1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer Name: Momentive performance material
260 Hudson River Rd
Waterford NY 12188

Revised: 06/22/2012
Prepared by: Product Regulatory Compliance
CHEMTREC: 1-800-424-9300
MSDS Contact: 1-888-443-9466
Information: 4information@momentive.com

Chemical Family/Use: Catalyst

HMIS
Health: 1 Flammability: 0 Reactivity: 0

NFPA
Health: 1 Flammability: 0 Reactivity: 0

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
CAUTION! Irritating to eyes, respiratory system and skin. Harmful if swallowed.

Form: Liquid Form: Yellow Odor: musty

POTENTIAL HEALTH EFFECTS

INGESTION
Harmful if swallowed.

SKIN
Causes skin irritation.

INHALATION
May cause respiratory irritation.

EYES
Irritating to eyes.

MEDICAL CONDITIONS AGGRAVATED
None known.

SUBCHRONIC (TARGET ORGAN)
None known.
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; Eye; Oral

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>PRODUCT COMPOSITION</th>
<th>CAS-No.</th>
<th>WGT. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. HAZARDOUS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALKYL TIN CARBOXYLATE</td>
<td>43136-18-1</td>
<td>60 - 100 %</td>
</tr>
<tr>
<td>B. NON-HAZARDOUS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

INGESTION
If swallowed, do NOT induce vomiting. Give a glass of water.

SKIN
Wash area with soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

INHALATION
Move to fresh air.

EYES
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

NOTE TO PHYSICIAN
None known.
5. FIRE-FIGHTING MEASURES

FLASH POINT: > 204 °C; 399 °F
METHOD Open Cup
IGNITION TEMPERATURE: No data available.
FLAMMABLE LIMITS LEL: Not applicable
FLAMMABLE LIMITS UEL: Not applicable

SENSITIVITY TO MECHANICAL IMPACT: No

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

EXTINGUISHING MEDIA
All standard extinguishing agents are suitable.

SPECIAL FIRE FIGHTING PROCEDURES
None known., Wear respiratory protection.

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.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
Use only in well-ventilated areas. Avoid contact with eyes, skin, and clothing. Keep out of reach of children. Keep container tightly closed. Keep away from food and smoking materials. Wash hands before eating, drinking, or smoking.

8. EXPOSURE CONTROLS/PERSOANL PROTECTION

ENGINEERING CONTROLS
Use only in well-ventilated areas.

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 with side shields; Monogoggles

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

Exposure Guidelines

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALKYL TIN CARBOXYLATE</td>
<td>43136-18-1</td>
<td>ACGIH, TWA</td>
<td>0.1 mg/m3</td>
</tr>
<tr>
<td>ALKYL TIN CARBOXYLATE</td>
<td>43136-18-1</td>
<td>ACGIH, STEL</td>
<td>0.2 mg/m3</td>
</tr>
<tr>
<td>ALKYL TIN CARBOXYLATE</td>
<td>43136-18-1</td>
<td>ACGIH, SKIN_DES</td>
<td>Can be absorbed through the skin.</td>
</tr>
<tr>
<td>ALKYL TIN CARBOXYLATE</td>
<td>43136-18-1</td>
<td>OSHA Z1, PEL</td>
<td>0.1 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOILING POINT (°C):</td>
<td>&gt;200 °C; 392 °F</td>
</tr>
<tr>
<td>VAPOR PRESSURE (20 C) (MM HG):</td>
<td>No data available.</td>
</tr>
<tr>
<td>FREEZING POINT:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>PHYSICAL STATE:</td>
<td>Liquid</td>
</tr>
<tr>
<td>ODOR:</td>
<td>musty</td>
</tr>
<tr>
<td>Color:</td>
<td>Yellow</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY:</td>
<td>1.15</td>
</tr>
<tr>
<td>DENSITY:</td>
<td>ca. 1.15 g/cm³</td>
</tr>
<tr>
<td>ACID / ALKALINITY (MEQ/G):</td>
<td>No data available.</td>
</tr>
<tr>
<td>pH:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER (20 C):</td>
<td>Negligible</td>
</tr>
<tr>
<td>SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):</td>
<td>Toluene</td>
</tr>
<tr>
<td>VOLATILE ORGANIC CONTENT:</td>
<td>0.00 %(m)</td>
</tr>
<tr>
<td>VOC EXCL. H2O &amp; EXEMPTS (G/L):</td>
<td>6 g/l</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

STABILITY
Stable

HAZARDOUS POLYMERIZATION.
Hazardous polymerisation does not occur.

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS
Tin fumes.

INCOMPATIBLE MATERIALS
Oxidizing agents.

CONDITIONS TO AVOID
None known.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL
Remarks: Not applicable

ACUTE DERMAL
Remarks: Not applicable

ACUTE INHALATION
Remarks: Not applicable

OTHER
None.

MUTAGENICITY
No data available.

OTHER EFFECTS OF OVEREXPOSURE
None known.

12. ECOLOGICAL INFORMATION

ECOTOXICITY
RTV567 001
Component B (catalyst)

No data available.

CHEMICAL FATE
No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS
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

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia Inventory of Chemical Substances (AICS)</td>
<td>y (positive listing)</td>
</tr>
<tr>
<td>Canada DSL Inventory</td>
<td>y (positive listing)</td>
</tr>
<tr>
<td>EU list of existing chemical substances</td>
<td>y (positive listing)</td>
</tr>
<tr>
<td>EU list of new chemical substances</td>
<td>n (Negative listing)</td>
</tr>
<tr>
<td>Japan Inventory of Existing &amp; New Chemical Substances (ENCS)</td>
<td>y (positive listing)</td>
</tr>
<tr>
<td>EU No Longer Polymers List</td>
<td>n (Negative listing)</td>
</tr>
<tr>
<td>China Inventory of Existing Chemical Substances</td>
<td>y (positive listing)</td>
</tr>
<tr>
<td>Korea Existing Chemicals Inventory (KECI)</td>
<td>y (positive listing)</td>
</tr>
<tr>
<td>Canada NDSL Inventory</td>
<td>n (Negative listing)</td>
</tr>
<tr>
<td>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>y (positive listing)</td>
</tr>
<tr>
<td>TSCA list</td>
<td>y (positive listing)</td>
</tr>
<tr>
<td>New Zealand Inventory of Chemicals</td>
<td>y (positive listing)</td>
</tr>
<tr>
<td>Japan Industrial Safety &amp; Health Law (ISHL) Listing</td>
<td>n (Negative listing)</td>
</tr>
</tbody>
</table>

On TSCA Inventory
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

**CALIFORNIA PROPOSITION 65**
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**Canadian Regulatory Information**

**WHMIS CLASSIFICATION**
- D1B - Toxic Material Causing Immediate and Serious Toxic Effects
- D2B - Toxic Material Causing Other Toxic Effects

### 16. OTHER INFORMATION

**OTHER**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>ceiling limit</td>
</tr>
<tr>
<td>EST</td>
<td>estimated</td>
</tr>
<tr>
<td>NA</td>
<td>not applicable</td>
</tr>
<tr>
<td>NE</td>
<td>none established</td>
</tr>
<tr>
<td>ND</td>
<td>none determined</td>
</tr>
<tr>
<td>SKN</td>
<td>skin</td>
</tr>
<tr>
<td>R</td>
<td>recommended</td>
</tr>
<tr>
<td>NT</td>
<td>not tested</td>
</tr>
<tr>
<td>ppm</td>
<td>parts per million</td>
</tr>
<tr>
<td>ppb</td>
<td>parts per billion</td>
</tr>
<tr>
<td>MST</td>
<td>mist</td>
</tr>
<tr>
<td>STEL</td>
<td>short term exposure limit</td>
</tr>
</tbody>
</table>

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.