1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By: Momentive performance material
260 Hudson River Rd
Waterford NY 12188

Revised: 04/21/2011
Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
CHEMTREC 1-800-424-9300

Chemical Family/Use: Catalyst
Formula: Catalyst

HMIS
Flammability: 1 Reactivity: 0 Health: 2

NFPA
Flammability: 1 Reactivity: 0 Health: 2

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
WARNING! Causes skin and eye irritation. May cause irritation to the respiratory system. Harmful: danger of serious damage to health by prolonged exposure if swallowed. May cause adverse reproductive effects.

Form: Liquid
Color: Colorless
Odor: Faint

POTENTIAL HEALTH EFFECTS

INGESTION
Affects: - mouth, throat, esophagus and stomach  Causes the following effects: - discomfort or pain in the mouth, throat, chest and abdomen

SKIN
Causes the following effects: - discomfort or pain - swelling

INHALATION
Vapors given off by heated product may be harmful. May cause irritation to the respiratory system.

EYES
Causes the following effects: - discomfort or pain - excess blinking - tear production - marked excess redness of the conjunctivae - swelling of the conjunctivae

MEDICAL CONDITIONS AGGRAVATED
Central nervous system disorders.

SUBCHRONIC (TARGET ORGAN)
Central nervous system.
RTV60
Tin Catalyst (DBT)

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; Oral; Eye

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>Dibutyltin Dilaurate</td>
<td>77-58-7</td>
<td>60 - 100 %</td>
</tr>
<tr>
<td>B. NON-HAZARDOUS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

INGESTION
Do not induce vomiting. Slowly dilute with 1-2 glasses of water and seek medical attention. Never give anything by mouth to an unconscious person.

SKIN
Wash area with soap and water. Wash contaminated clothing before reuse. Get medical attention if symptoms occur.

INHALATION
Move to fresh air. Get medical attention if symptoms persist.

NOTE TO PHYSICIAN
Treatment is symptomatic and supportive.

5. FIRE-FIGHTING MEASURES

FLASH POINT: ca. 235 °C; 455 °F
IGNITION TEMPERATURE: > 300 °C; 572 °F
FLAMMABLE LIMITS IN AIR - LOWER (%): 3.30 % (V).
RTV60
Tin Catalyst (DBT)

FLAMMABLE LIMITS IN AIR - UPPER (%): 19.00 %(V).

SENSITIVITY TO MECHANICAL IMPACT: No

SENSITIVITY TO STATIC DISCHARGE
Sensitivity to static discharge is not expected. Do not taste or swallow. Wash thoroughly after handling.

EXTINGUISHING MEDIA
All standard extinguishing agents are suitable.

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
Use only in well-ventilated areas. Avoid contact with skin and eyes. Avoid inhalation of vapors and spray mists. Keep container closed. Wash hands before eating, drinking, or smoking. Keep out of reach of children.

STORAGE
Store in tightly closed original container in a dry and cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS
Eye wash facilities and emergency shower must be available when handling this product.; Showers;
Exhaust ventilation

RESPIRATORY PROTECTION
None known.
PROTECTIVE GLOVES
Impermeable or chemical resistant gloves.

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 Z1, PEL</td>
<td>0.1 mg/m³</td>
</tr>
<tr>
<td>Dibutyltin Dilaurate</td>
<td>77-58-7</td>
<td>ACGIH, TWA</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>Dibutyltin Dilaurate</td>
<td>77-58-7</td>
<td>OSHA Z1, PEL</td>
<td>2 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 &amp; F:</td>
<td>204 °C; 399 °F</td>
</tr>
<tr>
<td>VAPOR PRESSURE (20 C) (MM HG):</td>
<td>Negligible</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR=1):</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>Faint</td>
</tr>
<tr>
<td>Color:</td>
<td>Colorless</td>
</tr>
<tr>
<td>EVAPORATION RATE (BUTYL ACETATE=1):</td>
<td>No data available.</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY (WATER=1):</td>
<td>1.28</td>
</tr>
<tr>
<td>DENSITY:</td>
<td>ca. 1.280 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>Slightly soluble in water</td>
</tr>
<tr>
<td>SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):</td>
<td>No data available.</td>
</tr>
<tr>
<td>VOC EXCL. H2O &amp; EXEMPTS (G/L):</td>
<td>27 g/l</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

STABILITY
Stable

HAZARDOUS POLYMERIZATION
Hazardous polymerisation does not occur.

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS
Carbon dioxide; Formaldehyde; Silicon dioxide; Tin fumes.

INCOMPATIBILITY (MATERIALS TO AVOID)
None known.

CONDITIONS TO AVOID
None known.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL
Remarks: Not applicable

ACUTE DERMAL
Remarks: Not applicable

ACUTE INHALATION
Remarks: Not applicable

OTHER
Contains dibutyl tin dilaurate which may cause birth defects and reproductive effects based on animal data., In animal studies with repeated oral application of dibutyl tin compounds toxic effects were observed on the liver, bile duct, brain and immune system.

SENSITIZATION
No data available.

SKIN IRRITATION
Species: Rabbit; Irritant.

EYE IRRITATION
Species: Rabbit; Result: Irritating to eyes.

MUTAGENICITY
No data available.

OTHER EFFECTS OF OVEREXPOSURE
None known.
12. ECOLOGICAL INFORMATION

ECOTOXICITY

No data available.

DISTRIBUTION

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

DOT SHIPPING NAME: Environmentally hazardous substances, liquid, n.o.s.(DIBUTYL Tin DILAURATE)
DOT HAZARD CLASS: 9
DOT LABEL (S): 9
UN/NA NUMBER: UN3082
PACKING GROUP: III

IMDG SHIPPING NAME: Environmentally hazardous substances, liquid, n.o.s.(DIBUTYL Tin DILAURATE)
CLASS: 9
IMDG-LABELS: 9
UN NUMBER: UN3082
PACKING GROUP: III
EMS No: F-A; S-F

IATA: Environmentally hazardous substances, liquid, n.o.s.(DIBUTYL Tin DILAURATE)
CLASS: 9
ICAO-LABELS: 9MI
UN NUMBER: UN3082
PACKING GROUP: III

Further Information: This substance/preparation meets the criteria of a Marine Pollutant (see IMDG paragraph 2.9.3.3) but is not identified in the IMDG Code (Marpol list). As such, substance/preparation shall be transported as a marine
Material Safety Data Sheet

RTV60
Tin Catalyst (DBT)

pollutant in accordance with the IMDG code.

15. REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>Inventories</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia Inventory of Chemical Substances (AICS)</td>
<td>y (positive listing)</td>
</tr>
<tr>
<td>EU list of existing chemical substances</td>
<td>y (positive listing)</td>
</tr>
<tr>
<td>Japan Inventory of Existing &amp; New Chemical Substances (ENCS)</td>
<td>y (positive 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 DSL Inventory</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>
</tbody>
</table>

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

SARA (313) CHEMICALS

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 HAZARD CLASS
D1B - Toxic Material Causing Immediate and Serious Toxic Effects
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.
1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

Revised: 05/20/2011
Prepared by PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
CHEMTREC 1-800-424-9300

Chemical Family/Use: Silicone Rubber
Formula: Mixture

HMIS
FLAMMABILI 0 Reactivity: 0 Health: 1
TY:

NFPA
Flammability: 0 Reactivity: 0 Health: 1

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
CAUTION! May be harmful if swallowed. May cause eye irritation. Attention: Not for injection into humans.
Form: Liquid Color: Red Odor: Faint

POTENTIAL HEALTH EFFECTS

INGESTION
May be harmful if swallowed.

SKIN
Skin irritation is possible after contact with the uncured product.

INHALATION
None known.

EYES.
May cause eye irritation.

MEDICAL CONDITIONS AGGRAVATED
None known.

SUBCHRONIC (TARGET ORGAN )
Respiratory System
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

3. COMPOSITION/INFORMATION ON INGREDIENTS

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<tbody>
<tr>
<td>A. HAZARDOUS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silicic acid, ethyl ester</td>
<td>11099-06-2</td>
<td>1 - 5 %</td>
</tr>
<tr>
<td>B. NON-HAZARDOUS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Siloxanes and Silicones, di-Me hydroxy terminated</td>
<td>70131-67-8</td>
<td>30 - 60 %</td>
</tr>
<tr>
<td>Diiron trioxide</td>
<td>1309-37-1</td>
<td>30 - 60 %</td>
</tr>
<tr>
<td>Kieselguhr, soda ash flux-calcined</td>
<td>68855-54-9</td>
<td>10 - 30 %</td>
</tr>
<tr>
<td>Cristobalite</td>
<td>14464-46-1</td>
<td>5 - 10 %</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

INGESTION
None known.

SKIN
Wash area with soap and water.

INHALATION
None known.

EYES.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
RTV60
SILICONE RUBBER

NOTE TO PHYSICIAN
None known.

5. FIRE-FIGHTING MEASURES

FLASH POINT: ca. 109 °C; 228 °F
METHOD Closed Cup
FLAMMABLE LIMITS LEL: No data available.
FLAMMABLE LIMITS UEL: No data available.

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
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. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
Keep container closed. Avoid inhalation of vapors and spray mists. Avoid contact with skin and eyes. Use only in well-ventilated areas. Keep out of reach of children.
RTV60
SILICONE RUBBER

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS
Eye wash facilities and emergency shower must be available when handling this product.; Use only in well-ventilated areas.

RESPIRATORY PROTECTION
If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).

PROTECTIVE GLOVES
Rubber gloves are recommended.

EYE AND FACE PROTECTION
Safety glasses with side shields

OTHER PROTECTIVE EQUIPMENT
None known.

Exposure Guidelines

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
</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): Not applicable
VAPOR PRESSURE: No data available.
VAPOR DENSITY (AIR=1): > 7
FREEZING POINT: Not applicable
PHYSICAL STATE: Liquid
ODOR: Faint
Color: Red
EVAPORATION RATE (BUTYL ACETATE=1): No data available.
SPECIFIC GRAVITY: ca. 1.48
DENSITY: ca. 1.48 g/cm3
ACID / ALKALINITY (MEQ/G): No data available.
RTV60
SILICONE RUBBER

pH: No data available.
SOLUBILITY IN WATER (20 C): Slightly Soluble
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): No data available.
VOC EXCL. H2O & EXEMPTS (G/L): 15 g/l

10. STABILITY AND REACTIVITY

STABILITY
Material is stable under normal conditions.

HAZARDOUS POLYMERIZATION.
Hazardous polymerisation does not occur.

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS
Carbon dioxide; Silicon dioxide; Formaldehyde.; This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. A MSDS for formaldehyde is available from Momentive.

INCOMPATIBLE MATERIALS
None known.

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.

SENSITIZATION
No data available.
SKIN IRRITATION
   No data available.

EYE IRRITATION
   No data available.

MUTAGENICITY
   No data available.

12. ECOLOGICAL INFORMATION

ECOTOXICITY
   No data available.

DISTRIBUTION
   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
   Canada DSL Inventory: y (positive listing)
   Japan Inventory of Existing & New Chemical Substances (ENCS): y (positive listing)
   Korea Existing Chemicals Inventory (KECI): y (positive listing)
RTV60
SILICONE RUBBER

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

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

US Regulatory Information

CERCLA Reportable quantity 170940 lbs
PRODUCT COMPOSITION  Chemical  CERCLA Reportable Quantity
Ethanol  64-17-5  Reportable quantity: 100 LBS

SARA (311,312) HAZARD CLASS
Acute Health Hazard

SARA (313) CHEMICALS

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
D2B - Toxic Material Causing Other Toxic Effects

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
RTV60
SILICONE RUBBER

EST = estimated
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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).