RTV 615 - kit (0.55l - 0.5kg)
Crosslinking Agent

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By: Waterford Plant
260 Hudson River Rd
Waterford NY 12188

Revised: 01/11/2008
Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
CHEMTREC 1-800-424-9300

Chemical Family/Use: Silicone Elastomer
Formula: Mixture of polydimethylsiloxane terminated with vinyl and hydrogen groups.

HMIS
Flammability: 1 Reactivity: 0 Health: 1

NFPA
Flammability: 1 Reactivity: 0 Health: 1

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
CAUTION! May cause skin, eye, and respiratory tract irritation. Product generates flammable gas on contact with acids, bases or oxidizing substances.
Form: Liquid Color: Translucent Odor: Slight

POTENTIAL HEALTH EFFECTS

INGESTION
None known. Not an anticipated route of exposure.

SKIN
Skin contact may cause irritation.

INHALATION
Inhalation of vapors may cause irritation of the respiratory tract.

EYES
May cause eye irritation.

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.
RTV 615 - kit (0.55l - 0.5kg)
Crosslinking Agent

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><strong>A. HAZARDOUS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Octamethylcyclotetrasiloxane</td>
<td>556-67-2</td>
<td>&lt; 1 %</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>&lt; 1 %</td>
</tr>
<tr>
<td><strong>B. NON-HAZARDOUS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>polyvinylsiloxane</td>
<td>68083-19-2</td>
<td>30 - 60 %</td>
</tr>
<tr>
<td>Modified Silica (SiH)</td>
<td>68988-57-8</td>
<td>30 - 60 %</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

INGESTION
Do not induce vomiting. If victim is conscious, give 1-3 glasses of water to drink. Never give anything by mouth to an unconscious person. Get medical attention if irritation persists.

SKIN
Wash with soap and water. Get medical attention if irritation or symptoms from Section 3 develop.

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, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

NOTE TO PHYSICIAN
Treatment is symptomatic and supportive.

5. FIRE-FIGHTING MEASURES

FLASH POINT: > 121 °C; 250 °F
IGNITION TEMPERATURE: Not applicable
FLAMMABLE LIMITS IN AIR - LOWER (%): No data available
FLAMMABLE LIMITS IN AIR - UPPER (%): 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.

Further Information
Standard procedure for chemical fires.

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 when not in use. Avoid contact with skin, eyes and clothing. Keep away from children.

STORAGE
Store away from heat, sources of ignition, and incompatibles.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS
Eyewash stations; Showers; Exhaust ventilation

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
Impermeable or chemical resistant gloves.

EYE AND FACE PROTECTION
Safety glasses with side-shields

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>Absence of values indicates none found</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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


9. PHYSICAL AND CHEMICAL PROPERTIES

| BOILING POINT - C & F:         | Not applicable |
| VAPOR PRESSURE (20 C) (MM HG): | Negligible     |
| VAPOR DENSITY (AIR=1):         | 1.0            |
| FREEZING POINT:                | Not applicable |
| MELTING POINT:                 | Not applicable |
| PHYSICAL STATE:                | Liquid         |
| ODOR:                         | Slight         |
| COLOR:                         | Translucent    |
| EVAPORATION RATE (BUTYL ACETATE=1): | < 1 |
| SPECIFIC GRAVITY (WATER=1):    | 0.99           |
| DENSITY:                       | ca. 0.99 g/cm³ |
| ACID / ALKALINITY (MEQ/G):     | Unknown        |
| pH:                            | No data available |
| VOLATILE ORGANIC CONTENT (VOL):| No data available |
| SOLUBILITY IN WATER (20 C):    | Insoluble      |
| SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): | Soluble in toluene |
| VOC EXCL. H2O & EXEMPTS (G/L): | 137            |

10. STABILITY AND REACTIVITY

STABILITY
Stable
HAZARDOUS POLYMERIZATION
Will not occur.

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS
Carbon monoxide; Carbon dioxide (CO2); 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.

INCOMPATIBILITY (MATERIALS TO AVOID)
None known.

CONDITIONS TO AVOID
Product generates flammable gas on contact with acids, bases or oxidizing substances.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL
Remarks: Unknown

ACUTE DERMAL
Remarks: Unknown

ACUTE INHALATION
Remarks: Unknown

OTHER
Octamethylcyclotetrasiloxane Ingestion: Rodents given large doses via oral gavage of octamethylcyclotetrasiloxane (1600 mg/kg day, 14 days) developed increased liver weights relative to unexposed control animals due to hepatocellular hyperplasia (increased number of liver cells which appear normal) as well as hypertrophy (increased cell size). Inhalation: In inhalation studies, laboratory rodents exposed to octamethylcyclotetrasiloxane (300 ppm five days week, 90 days) developed increased liver weights in female animals relative to unexposed control animals. When the exposure was stopped, liver weights returned to normal. Microscopic examination of the liver cells did not show any evidence of pathology. Inhalation studies utilizing laboratory rabbits and guinea pigs showed no effects on liver weights. Inhalation exposures typical of industrial usage (5-10 ppm) showed no toxic effects in rodents. Range finding reproductive studies were conducted (whole body inhalation, 70 days prior to mating, through mating, gestation and lactation) with octamethylcyclotetrasiloxane (D4). Rats were exposed to 70 and 700 ppm. In the 700 ppm group, there was a statistically significant reduction in mean litter size and in implantation sites. No D4 related clinical signs were observed in the pups and no exposure related pathological findings were found. Interim results from a two generation reproductive study in rats exposed to 500 and 700 ppm D4 (whole body inhalation, 70 days prior to mating, through mating, gestation and lactation) resulted in a statistically significant decrease in live mean litter size as well as extended periods of off-spring delivery (dystocia). These results were not observed at the 70 and 300 ppm dosing levels. Preliminary results from an ongoing 24-month combined chronic/oncogenicity study in rats exposed to 10, 30, 150,
or 700 ppm D4 showed test-article related effects in the kidney (male and female) and uterus of rats exposed for 12 to 24 months. These effects include increased kidney weight and severity of chronic nephropathy, increased uterine weight, increased incidence of endometrial cell hyperplasia, and an increased incidence of endometrial adenomas. All of these effects are limited to the 700 ppm exposure group. The relevance of these data to humans is unclear. Further studies are ongoing. In developmental toxicity studies, rats and rabbits were exposed to octamethylcyclotetrasiloxane at concentrations up to 700 ppm and 500 ppm respectively. No teratogenic effects (birth defects) were observed in either study., Exposure to toluene during pregnancy has demonstrated limited evidence of developmental toxicity in laboratory animals. The effects seen included decreased fetal body weight and increased skeletal variations in both inhalation and oral studies.

SENSITIZATION
No data available

SKIN IRRITATION
No data available

EYE IRRITATION
No data available

MUTAGENICITY
Unknown

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

Further Information: This product is not regarded as a dangerous good according to the
national and international regulations on the transport of dangerous goods. As a result of the continuous formation of hydrogen gas, Momentive Performance Materials does not transport this material by air (IATA-C, IATA-P).

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)
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) On TSCA Inventory
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

SARA (311,312) HAZARD CLASS
No SARA Hazards

SARA (313) CHEMICALS

CALIFORNIA PROPOSITION 65
Warning! This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.
71-43-2, Benzene. 108-88-3, Toluene.

Canadian Regulatory Information

WHMIS HAZARD CLASS
D2A VERY TOXIC MATERIALS
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 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).
RTV 615 - kit (0.55l - 0.5kg)
SILICONE POTTING COMPOUND

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By: Waterford Plant
260 Hudson River Rd
Waterford NY 12188

Revised: 08/28/2007
Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
CHEMTREC 1-800-424-9300

Chemical Family/Use: Silicone Elastomer
Formula: Mixture

HMIS
Flammability: 1 Reactivity: 0 Health: 0

NFPA
Flammability: 1 Reactivity: 0 Health: 1

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
CAUTION! May cause skin, eye, and respiratory tract irritation. May generate formaldehyde at temperatures greater than 150 C (300 F). See Section 10 of MSDS for details. Attention: Not for injection into humans.

Form: Liquid  Color: Translucent  Odor: Slight

POTENTIAL HEALTH EFFECTS

INGESTION
None known. Not an anticipated route of exposure.

SKIN
Skin contact may cause irritation.

INHALATION
Inhalation of vapors may cause irritation of the respiratory tract.

EYES
May cause eye irritation.

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**
Inhalation

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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<th>PRODUCT COMPOSITION</th>
<th>CAS REG NO.</th>
<th>WGT. %</th>
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<tbody>
<tr>
<td><strong>A. HAZARDOUS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>100-41-4</td>
<td>&lt; 1 %</td>
</tr>
<tr>
<td><strong>B. NON-HAZARDOUS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>polyvinylsiloxane</td>
<td>68083-19-2</td>
<td>60 - 90 %</td>
</tr>
<tr>
<td>Polyalkylalkenylsiloxane</td>
<td>68584-83-8</td>
<td>10 - 30 %</td>
</tr>
</tbody>
</table>

### 4. FIRST AID MEASURES

**INGESTION**
Do not induce vomiting. If victim is conscious, give 1-3 glasses of water to drink. Never give anything by mouth to an unconscious person. Get medical attention if irritation persists.

**SKIN**
Wash with soap and water. Get medical attention if irritation or symptoms from Section 3 develop.

**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, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**NOTE TO PHYSICIAN**
Treatment is symptomatic and supportive.

### 5. FIRE-FIGHTING MEASURES

**FLASH POINT:** > 121 °C; 250 °F
IGNITION TEMPERATURE: Not applicable
FLAMMABLE LIMITS IN AIR - LOWER (%): No data available
FLAMMABLE LIMITS IN AIR - UPPER (%): 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.

Further Information
Standard procedure for chemical fires.

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 when not in use. Avoid contact with skin, eyes and clothing. Keep away from children.

STORAGE
Keep container closed. Store away from heat, sources of ignition, and incompatibles.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS
Eyewash stations; Showers; Exhaust ventilation

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
RTV 615 - kit (0.55l - 0.5kg)
SILICONE POTTING COMPOUND

emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).

PROTECTIVE GLOVES
Rubber gloves

EYE AND FACE PROTECTION
Safety glasses with side-shields

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>Absence of values indicates none found</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Component</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOILING POINT (C &amp; F)</td>
<td>&gt;260 °C; 500 °F</td>
</tr>
<tr>
<td>VAPOR PRESSURE (20 C) (MM HG)</td>
<td>Negligible</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR=1):</td>
<td>1.0</td>
</tr>
<tr>
<td>FREEZING POINT:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>MELTING POINT:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>PHYSICAL STATE:</td>
<td>Liquid</td>
</tr>
<tr>
<td>ODOR:</td>
<td>Slight</td>
</tr>
<tr>
<td>COLOR:</td>
<td>Translucent</td>
</tr>
<tr>
<td>EVAPORATION RATE (BUTYL ACETATE=1):</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY (WATER=1):</td>
<td>ca. 0.99</td>
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<td>DENSITY:</td>
<td>ca. 990 g/cm³</td>
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<tr>
<td>ACID / ALKALINITY (MEQ/G):</td>
<td>Unknown</td>
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<tr>
<td>pH:</td>
<td>No data available</td>
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<tr>
<td>VOLATILE ORGANIC CONTENT (VOL):</td>
<td>No data available</td>
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<tr>
<td>SOLUBILITY IN WATER (20 C):</td>
<td>Insoluble</td>
</tr>
<tr>
<td>SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):</td>
<td>Toluene</td>
</tr>
<tr>
<td>VOC EXCL. H₂O &amp; EXEMPTS (G/L):</td>
<td>137</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

STABILITY
Stable
HAZARDOUS POLYMERIZATION
Will not occur

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS
Carbon monoxide; Carbon dioxide (CO2); Silicon dioxide.; Formaldehyde

INCOMPATIBILITY (MATERIALS TO AVOID)
None known.

CONDITIONS TO AVOID
None known.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL
Remarks: Unknown

ACUTE DERMAL
Remarks: Unknown

ACUTE INHALATION
Remarks: Unknown

OTHER
None.

SENSITIZATION
No data available

SKIN IRRITATION
No data available

EYE IRRITATION
No data available

MUTAGENICITY
Unknown

OTHER EFFECTS OF OVEREXPOSURE
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.
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

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
Japan Inventory of Existing & New Chemical Substances (ENCS) q (quantity restricted)
Canada DSL Inventory y (Positive listing)
Korea Existing Chemicals Inventory (KECI) y (Positive listing)
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) On TSCA Inventory
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: 125,000 lbs

<table>
<thead>
<tr>
<th>PRODUCT COMPOSITION</th>
<th>Chemical</th>
<th>CERCLA Reportable Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA (311,312) HAZARD CLASS</td>
<td>No SARA Hazards</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SARA (313) CHEMICALS</th>
</tr>
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</table>

Canadian Regulatory Information

WHMIS HAZARD CLASS
NON-CONTROLLED

CALIFORNIA PROPOSITION 65
Warning! This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.
100-41-4, Ethylbenzene. 71-43-2, Benzene. 108-88-3, Toluene.

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  
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).