

**RTV230A/B Crtrg (0.84LBS - 0.38KG)  
Silicone Rubber Compound-B****1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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

**Revised:** 07/09/2010  
**Preparer:** PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS  
**CHEMTREC** 1-800-424-9300

**Chemical Family/Use:** Silicone Rubber  
**Formula:** Mixture

**HMIS**

Flammability: 1      Reactivity: 1      Health: 2

**NFPA**

Flammability: 1      Reactivity: 1      Health: 2

**2. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

WARNING! Harmful or fatal if swallowed or inhaled. May cause severe eye irritation. May cause adverse liver, kidney, and CNS effects. May cause adverse reproductive effects. Adverse reproductive effects reported in animals.

**Form:** liquid**Color:** translucent**Odor:** amine-like**POTENTIAL HEALTH EFFECTS****INGESTION**

Harmful if swallowed. Irritation of the mouth, throat, and stomach. Causes vomiting, nausea, and diarrhea. May be fatal if swallowed. Liver and kidney injuries may occur.

**SKIN**

May cause irritation.

**INHALATION**

Harmful if inhaled. Causes irritation of the mouth, nose, and throat. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. May cause damage to nasal and respiratory passages.

**EYES**

Causes severe eye irritation may damage tissue. May cause permanent eye damage. May cause corneal injury.

**MEDICAL CONDITIONS AGGRAVATED**

Respiratory disorder Pre-existing liver or kidney disorders. Skin disorders.

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Silicone Rubber Compound-B****SUBCHRONIC (TARGET ORGAN )**

Respiratory disorder; Dermatitis; Liver and kidney damage.

**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**

<u>PRODUCT COMPOSITION</u>	<u>CAS REG NO.</u>	<u>WGT. %</u>
<b><u>A. HAZARDOUS</u></b>		
tetra-n-propyl orthosilicate	682-01-9	10 - 30 %
Gamma-Aminopropyltrimethoxysilane	13822-56-5	10 - 30 %
<b><u>B. NON-HAZARDOUS</u></b>		
Treated Filler	68909-20-6	30 - 60 %
Polydimethylsiloxane	63148-62-9	10 - 30 %
Tris(3(trimethoxysilyl)propyl)isocyanurate	26115-70-8	5 - 10 %

**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**

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.

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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:** 106 °C; 223 °F  
**METHOD:** closed cup  
**IGNITION TEMPERATURE:** Unknown  
**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 expected.

**EXTINGUISHING MEDIA**

Foam, Carbon dioxide (CO<sub>2</sub>), Dry chemical

**SPECIAL FIRE FIGHTING PROCEDURES**

Combustible, Wear suitable protective equipment., Positive-pressure self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES****ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**

Remove all sources of ignition. Wipe, scrape, or soak up in an inert material and put in a container intended for flammable materials for disposal. Wear proper protective equipment as specified in the protective equipment section. Warn other workers of spill. Increase area ventilation. Person not trained should evacuate area.

**7. HANDLING AND STORAGE****PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Remove all sources of ignition. Avoid contact with skin and eyes. Use only in well-ventilated areas. Keep container closed when not in use to prevent contact with acidic, basic or oxidizing materials. Good hygienic practices should be observed. Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded with material.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**ENGINEERING CONTROLS**

Use only in well-ventilated areas.; Eyewash stations; Showers; Exhaust ventilation

**RESPIRATORY PROTECTION**

Use only in well-ventilated areas.

**PROTECTIVE GLOVES**

Rubber or plastics gloves

**EYE AND FACE PROTECTION**

Monogoggles

**OTHER PROTECTIVE EQUIPMENT**

Wear suitable protective clothing and eye/face protection.

**Exposure Guidelines**

<u>Component</u>	<u>CAS RN</u>	<u>Source</u>	<u>Value</u>
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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

OSHA revoked the Final Rule Limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1993. See 29 CFR 1910.1000 (58 FR 35338).

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>BOILING POINT - C &amp; F:</b>	not applicable
<b>VAPOR PRESSURE (20 C) (MM HG):</b>	not applicable
<b>VAPOR DENSITY (AIR=1):</b>	no data available
<b>FREEZING POINT:</b>	Unknown
<b>PHYSICAL STATE:</b>	liquid
<b>ODOR:</b>	amine-like
<b>COLOR:</b>	translucent
<b>EVAPORATION RATE (BUTYL ACETATE=1):</b>	Unknown
<b>SPECIFIC GRAVITY (WATER=1):</b>	ca. 1.18
<b>DENSITY:</b>	1.18 g/cm <sup>3</sup>
<b>ACID / ALKALINITY (MEQ/G):</b>	Unknown
<b>pH:</b>	not applicable
<b>SOLUBILITY IN WATER (20 C):</b>	REACTS
<b>SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):</b>	Unknown
<b>VOLATILE ORGANIC CONTENT:</b>	no data available

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**10. STABILITY AND REACTIVITY****STABILITY**

Stable

**HAZARDOUS POLYMERIZATION**

Hazardous polymerisation does not occur.

**HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS**

Methanol; Carbon dioxide (CO<sub>2</sub>); formaldehyde; Amines; Carbon monoxide; Silicon dioxide.; Toxic metal fumes.; nitrogen oxides (NO<sub>x</sub>); Tin fumes.; Ethanol.; 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)**

Reacts with water liberating small amounts of methanol. Reacts with water forming ethanol. Avoid contact with acids, bases, or oxidizing agents. Contact with metals

**CONDITIONS TO AVOID**

Keep away from any contact with water.

**11. TOXICOLOGICAL INFORMATION****ACUTE ORAL**

Remarks: Unknown

**ACUTE DERMAL**

Remarks: Unknown

**ACUTE INHALATION**

Remarks: Unknown

**OTHER**

Contains dibutyltin compound(s) - May impair fertility. May cause harm to unborn child.

**SENSITIZATION**

no data available

**SKIN IRRITATION**

no data available

**EYE IRRITATION**

no data available

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**MUTAGENICITY**

Unknown

**OTHER EFFECTS OF OVEREXPOSURE**

Product releases amine vapors during cure.

**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**

Australia Inventory of Chemical Substances (AICS) q (quantity restricted)

EU list of existing chemical substances y (positive listing)

Japan Inventory of Existing &amp; New Chemical Substances (ENCS) y (positive listing)

The mixture contains a polymer. The monomers for this polymer have been notified.

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China Inventory of Existing Chemical Substances	y (positive listing)	
Korea Existing Chemicals Inventory (KECI)	n (Negative listing)	
Canada DSL Inventory	y (positive listing)	
Canada NDSL Inventory	n (Negative listing)	
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	n (Negative listing)	
TSCA list	y (positive listing)	Listed on TSCA

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**  
7664-41-7, AMMONIA ANHYDROUS.**CALIFORNIA PROPOSITION 65**  
Warning! This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.  
108-88-3, Toluene.**Canadian Regulatory Information****WHMIS HAZARD CLASS**  
D2A - Very Toxic Material Causing Other Toxic Effects**Other****SCHDLE B/HTSUS:** 3910.00.0000 Silicones in primary forms**ECCN:** EAR99**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 =

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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).