



**RTV233A/230B CTG/(0.79LBS-0.36KG)
Silicone Rubber Compound-B**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

Revised: 03/16/2009
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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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>
<u>A. HAZARDOUS</u>		
tetra-n-propyl orthosilicate	682-01-9	10 - 30 %
Gamma-Aminopropyltrimethoxysilane	13822-56-5	10 - 30 %
<u>B. NON-HAZARDOUS</u>		
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.

EYES

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least

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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; material has a flash point below 200 F.

EXTINGUISHING MEDIA

Foam, Carbon dioxide (CO2), 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

BOILING POINT - C & F:	not applicable
VAPOR PRESSURE (20 C) (MM HG):	not applicable
VAPOR DENSITY (AIR=1):	No data available
FREEZING POINT:	Unknown
PHYSICAL STATE:	Liquid
ODOR:	amine-like
COLOR:	translucent
EVAPORATION RATE (BUTYL ACETATE=1):	Unknown
SPECIFIC GRAVITY (WATER=1):	ca. 1.18
DENSITY:	1.18 g/cm3
ACID / ALKALINITY (MEQ/G):	Unknown
pH:	not applicable
VOLATILE ORGANIC CONTENT (VOL):	No data available
SOLUBILITY IN WATER (20 C):	REACTS
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):	Unknown



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10. STABILITY AND REACTIVITY

STABILITY

Stable

HAZARDOUS POLYMERIZATION

Will not occur.

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

Methanol; Carbon dioxide (CO₂); formaldehyde; Amines; Carbon monoxide; Silicon dioxide.; Toxic metal fumes.; nitrogen oxides (NO_x); 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



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EYE IRRITATION

No data available

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

Canada DSL Inventory	y (positive listing)
Canada NDSL Inventory	n (Negative listing)
Japan Inventory of Existing & New Chemical Substances (ENCS)	y (positive listing)
Korea Existing Chemicals	n (Negative listing)



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Inventory (KECI)

China Inventory of Existing Chemical Substances	y (positive listing)	
Australia Inventory of Chemical Substances (AICS)	q (quantity restricted)	
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	n (Negative listing)	

TSCA list	y (positive listing)	Listed on TSCA
EU list of existing chemical substances	y (positive listing)	The preparation contains a polymer. The monomers for this polymer have been notified.

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

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).



MOMENTIVE
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Material Safety Data Sheet

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