



**^RTV 12 C E - bottle (0,5L-0,360KG)  
RTV CURING AGENT**

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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

**Revised:** 07/08/2008  
**Preparer:** PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS  
**CHEMTREC** 1-800-424-9300

**Chemical Family/Use:** Catalyst  
**Formula:** Silicone catalyst mixture

**HMIS**

Flammability: 2      Reactivity: 1      Health: 2

**NFPA**

Flammability: 2      Reactivity: 1      Health: 2

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**DANGER! CORROSIVE** Flammable. Harmful if swallowed, inhaled, or absorbed through the skin. May cause skin and eye burns. May cause adverse liver, kidney, and CNS effects. May cause adverse reproductive effects.

Form: liquid      Color: clear      Odor: Pungent

**POTENTIAL HEALTH EFFECTS**

**INGESTION**

Harmful if swallowed. Irritation of the mouth, throat, and stomach. Causes vomiting, nausea, and diarrhea. Aspiration hazard if swallowed - can enter lungs and cause damage.

**SKIN**

May cause severe skin irritation.

**INHALATION**

Harmful if inhaled. Irritating to respiratory system. May irritate mouth, nose, and throat. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Can cause unconsciousness if inhaled. Massive inhalation immediately dangerous to life and health.

**EYES**

Causes redness and tearing. May cause severe eye irritation.

**MEDICAL CONDITIONS AGGRAVATED**

Skin disorders. Respiratory disorder Central nervous system disorders. Liver, kidney

**SUBCHRONIC (TARGET ORGAN )**

Respiratory disorder; Central nervous system; Liver and kidney damage.; Corneal damage.;



**^RTV 12 C E - bottle (0,5L-0,360KG)**  
**RTV CURING AGENT**

Dermatitis

**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**

Oral.; Dermal; Eyes; Inhalation

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>PRODUCT COMPOSITION</u>	<u>CAS REG NO.</u>	<u>WGT. %</u>
<b><u>A. HAZARDOUS</u></b>		
gamma-Aminopropyltriethoxysilane	919-30-2	10 - 30 %
DIBUTYL TINOXIDE	818-08-6	1 - 5 %
1,2,4-TRIMETHYLBENZENE	95-63-6	1 - 5 %
ETHYL SILICATE 40	11099-06-2	10 - 30 %
NAPHTHA	64741-41-9	60 - 90 %

**B. NON-HAZARDOUS**

**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. 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**

Wash off with soap and water. Remove and wash contaminated clothing before re-use. Get medical attention if irritation persists. 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. 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.



**^RTV 12 C E - bottle (0,5L-0,360KG)  
RTV CURING AGENT**

**EYES**

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. In the 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:** 32.22 °C; 90 °F  
**METHOD:** closed cup  
**IGNITION TEMPERATURE:** not applicable  
**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**

All standard extinguishing agents are suitable.

**SPECIAL FIRE FIGHTING PROCEDURES**

Flammable, Wear respiratory protection.

**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 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**

Use only in well-ventilated areas. Avoid contact with skin and eyes. Keep container tightly closed. Warning! Flammable Use ground strap and appropriate precautions for dispensing flammable liquids. Recommended storage in original container below 30°C (85°F). Avoid inhalation of vapour or mist. Do not inhale vapors. Avoid contact with skin and eyes. Use personal protective equipment. Use only in well-ventilated areas. In case of insufficient ventilation, wear suitable respiratory equipment. Use



**^RTV 12 C E - bottle (0,5L-0,360KG)**  
**RTV CURING AGENT**

ground strap and appropriate precautions for dispensing flammable liquids. Store away from heat, sources of ignition, and incompatibles.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS**

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

**RESPIRATORY PROTECTION**

Use approved NIOSH respiratory protection if TLV exceeded or overexposure is likely. 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**

This recommendation is valid only for our Product as delivered. If this product will be mixed with other substances you need to contact a supplier of CE approved protective gloves (e.g. KCL GmbH, D-36124 Eichenzell, Tel. 0049 (0) 6659 87300, Fax. 0049 (0) 6659 87155, email: vertrieb@kcl.de). Rubber or plastics gloves

**EYE AND FACE PROTECTION**

Safety glasses; Monogoggles Safety glasses

**OTHER PROTECTIVE EQUIPMENT**

Wear suitable protective clothing and eye/face protection.

**Exposure Guidelines**

<b>Component</b>	<b>CAS RN</b>	<b>Source</b>	<b>Value</b>
1,2,4-TRIMETHYLBENZENE	95-63-6	ACGIH, TWA	25 ppm
1,2,4-TRIMETHYLBENZENE	95-63-6	ACGIH, TWA	25 ppm

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).



**^RTV 12 C E - bottle (0,5L-0,360KG)  
RTV CURING AGENT**

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>BOILING POINT - C &amp; F:</b>	153.88 °C; 309 °F
<b>VAPOR PRESSURE (20 C) (MM HG):</b>	negligible
<b>FREEZING POINT:</b>	not applicable
<b>MELTING POINT:</b>	not applicable
<b>PHYSICAL STATE:</b>	liquid
<b>ODOR:</b>	Pungent
<b>COLOR:</b>	clear
<b>SPECIFIC GRAVITY (WATER=1):</b>	1.02
<b>DENSITY:</b>	ca. 1.018 g/cm <sup>3</sup>
<b>ACID / ALKALINITY (MEQ/G):</b>	<10 PPM
<b>pH:</b>	not applicable
<b>SOLUBILITY IN WATER (20 C):</b>	REACTS
<b>SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):</b>	Soluble in toluene

**10. STABILITY AND REACTIVITY**

**STABILITY**

Stable

**HAZARDOUS POLYMERIZATION**

Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS**

Carbon dioxide (CO<sub>2</sub>); Amines; Carbon monoxide; Silicon dioxide.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

Contact with oxidizing agents.

**CONDITIONS TO AVOID**

Keep away from heat and sources of ignition. Avoid any source of ignition due to flammability.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE ORAL**

Remarks: Not applicable.

**ACUTE DERMAL**

Remarks: Not applicable.

**ACUTE INHALATION**

Remarks: Not applicable.



**^RTV 12 C E - bottle (0,5L-0,360KG)  
RTV CURING AGENT**

**OTHER**

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

**MUTAGENICITY**

Unknown

**OTHER EFFECTS OF OVEREXPOSURE**

Product releases amine vapors during cure.

**12. ECOLOGICAL INFORMATION**

**ECOTOXICITY**

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., Incineration recommended in approved incinerator according to federal, state, and local regulations.

**14. TRANSPORT INFORMATION**

**DOT SHIPPING NAME:** CORROSIVE LIQUID, FLAMMABLE, N.O.S.(gamma-Aminopropyltriethoxysilane, NAPHTHA (MINERAL SPIRITS))  
**DOT HAZARD CLASS:** 8  
**DOT LABEL (S):** 8, 3  
**UN/NA NUMBER:** UN2920  
**PACKING GROUP:** II

**IMDG SHIPPING NAME:** CORROSIVE LIQUID, FLAMMABLE, N.O.S.(gamma-Aminopropyltriethoxysilane, NAPHTHA (MINERAL SPIRITS))  
**CLASS:** 8  
**IMDG-LABELS:** 8, 3  
**UN NUMBER:** UN2920  
**PACKING GROUP:** II  
**EMS No:** F-E; S-C

**IATA:** CORROSIVE LIQUID, FLAMMABLE, N.O.S. (gamma-Aminopropyltriethoxysilane, NAPHTHA (MINERAL SPIRITS))



**^RTV 12 C E - bottle (0,5L-0,360KG)  
RTV CURING AGENT**

**CLASS:** 8  
**ICAO-LABELS:** 8, 3  
**UN NUMBER:** UN2920  
**PACKING GROUP:** II

**15. REGULATORY INFORMATION**

**Inventories**

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)	
EU list of existing chemical substances	y (positive listing)	
Canada NDSL Inventory	n (Negative listing)	
Japan Inventory of Existing & New Chemical Substances (ENCS)	n (Negative listing)	
TSCA list	y (positive listing)	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; Fire Hazard

**SARA (313) CHEMICALS**

95-63-6, 1,2,4-Trimethylbenzene

**CALIFORNIA PROPOSITION 65**

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

**Canadian Regulatory Information**

**WHMIS HAZARD CLASS**

B2 - Flammable Liquid  
D2B - Toxic Material Causing Other Toxic Effects



**^RTV 12 C E - bottle (0,5L-0,360KG)  
RTV CURING AGENT**

---

**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.