



**^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.;



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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> |
|----------------------------------|--------------------|---------------|
| <u>A. HAZARDOUS</u> | | |
| 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.



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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

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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

| Component | CAS RN | Source | Value |
|------------------------|---------------|---------------|--------------|
| 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).



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9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

STABILITY

Stable

HAZARDOUS POLYMERIZATION

Will not occur.

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

Carbon dioxide (CO₂); 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.



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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))



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CLASS: 8
ICAO-LABELS: 8, 3
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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



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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.