



GE Silicones

MATERIAL SAFETY DATA SHEET

RTV12C 01P-Bottle (0.800 Lbs-0.363 Kg)

Trade Name RTV CURING AGENT

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

Revised: 11/04/2003
Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
Chemical Family/Use: Catalyst
Formula: Silicone catalyst mixture
CHEMTREC 1-800-424-9300

HMIS

FLAMMABILITY	2	REACTIVITY	1	HEALTH	2
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NFPA

FLAMMABILITY	2	REACTIVITY	1	HEALTH	2
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2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>PRODUCT COMPOSITION</u>	<u>CAS REG NO.</u>	<u>WGT. %</u>
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A. HAZARDOUS

GAMMA-AMINOPROPYLTRIETHOXYSILANE	919-30-2	10 - 30 %
Dibutyl tin oxide	818-08-6	1 - 5 %
1,2,4-Trimethylbenzene	95-63-6	1 - 5 %
Ethyl silicate	11099-06-2	10 - 30 %
Naphtha (Mineral Spirits)	64741-41-9	60 - 90 %

B. NON-HAZARDOUS

3. 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.
 Liquid Clear Pungent



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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. dermatitis

CHRONIC EFFECTS / CARCINOGENICITY :

This product or one of its ingredients present 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

OTHER :

Product releases amine vapors during cure.

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



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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.

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 89.60 °F
METHOD:	CC
IGNITION TEMPERATURE	NA
FLAMMABLE LIMITS IN AIR - LOWER (%)	NA
FLAMMABLE LIMITS IN AIR - UPPER (%)	NA

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 firefighting media

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



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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 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 :

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

Chemical	CAS REG NO.	ACGIH	OSHA	Supplier
1,2,4-Trimethylbenzene	95-63-6	TWA 25 ppm	TWA 25 ppm 125 mg/m3	

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT - C & F 153.88 °C 309.20 °F
VAPOR PRESSURE (20 C) (MM HG) : NEG.



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VAPOR DENSITY (AIR=1) :	
FREEZING POINT:	NA
MELTING POINT :	NA
PHYSICAL STATE:	Liquid
ODOR:	Pungent
COLOR :	Clear
EVAPORATION RATE (BUTYL ACETATE=1):	
SPECIFIC GRAVITY (WATER=1) :	1.02
DENSITY (KG/M3) :	1,018.50 KG/M3
ACID / ALKALINITY (MEQ/G) :	<10 PPM
pH	NA
VOLATILE ORGANIC CONTENT (VOL)	
SOLUBILITY IN WATER (20 C) :	REACTS
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT) :	Soluble in toluene
VOC EXCL. H2O & EXEMPTS (G/L) :	NT

10. STABILITY AND REACTIVITY

STABILITY :
Stable

HAZARDOUS POLYMERIZATION :
WILL NOT OCCUR

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS :
carbon dioxide (CO₂)aminesCarbon monoxideSilicon 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:
Not applicable.

ACUTE DERMAL:
Not applicable.

ACUTE INHALATION:



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Not applicable.

OTHER:

None

SENSITIZATION:

SKIN IRRITATION

EYE IRRITATION

MUTAGENICITY

Unknown

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGY

no data available

CHEMICAL FATE

no data available

DISTRIBUTION

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

Not Regulated if Section is Blank

DOT SHIPPING NAME :

CORROSIVE LIQUID, FLAMMABLE, N.O.S.
(GAMMA-AMINOPROPYLTRIETHOXYSILANE,NAPHTHA



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(MINERAL SPIRITS,)

DOT HAZARD CLASS : 8

DOT LABEL (S) : Corrosive material, Flammable and combustible material

UN/NA NUMBER : UN2920

PACKING GROUP : II

IMO IMDG-CODE : CORROSIVE LIQUID, FLAMMABLE, N.O.S. (GAMMA-AMINOPROPYLTRIETHOXYSILANE,NAPHTHA (MINERAL SPIRITS),)8,UN2920,II

EMS No : 8-15

IATA : CORROSIVE LIQUID, FLAMMABLE, N.O.S. (GAMMA-AMINOPROPYLTRIETHOXYSILANE,NAPHTHA (MINERAL SPIRITS),)8,UN2920,II

EMS No :

15. REGULATORY INFORMATION

US Regulatory Information

CERCLA		
<u>PRODUCT COMPOSITION</u>	<u>Chemical</u>	<u>CERCLA Reportable Quantity</u>

CLEAN AIR ACT

CLEAN WATER ACT

SARA SECTION 302 :

SARA (311,312) HAZARD CLASS:
 Acute Health Hazard
 Fire Hazard

SARA (313) CHEMICALS :
 95-63-6,1,2,4-Trimethylbenzene



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Canadian Regulatory Information

WHMIS HAZARD CLASS :

Flammable Liquid, D2B TOXIC MATERIALS

OTHER:

SCHDLE B/HTSUS: 3815.90 Catalyst Preparation

ECCN: EAR99

CALIFORNIA PROPOSITION 65 :

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

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 = recomm. By vendor By-product = reaction by SKN = skin product, TSCA inventory TS = trade secret status not required under R = recommended 40 CFR part 720.30(h-2) MST = mist STEL = short term exposure NT = not tested limit.....