

**RTV 12C  
RTV CURING AGENT****1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Manufacturer Name:** Momentive Performance Materials - Waterford  
260 Hudson River Rd  
Waterford NY 12188

**Revised:** 10/17/2012  
**Prepared by** Product Regulatory Compliance  
**CHEMTREC** 1-800-424-9300  
**MSDS Contact** 1-888-443-9466  
**Information** 4information@momentive.com

**Chemical Family/Use:** Catalyst

**Formula:** Silicone catalyst mixture

**HMIS**

Health: 2 Flammability: 3 Reactivity: 1

**NFPA**

Health: 2 Flammability: 3 Reactivity: 1

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

Flammable Harmful if inhaled, absorbed through skin, or swallowed. May cause adverse liver, kidney, and CNS effects.

**Form:** Liquid

**Form:** Colorless

**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 skin irritation.

**INHALATION**

Harmful if inhaled. Irritating to respiratory system. May irritate mouth, nose, and throat. High concentrations of vapors may irritate respiratory system and lead to headache, fatigue, nausea and vomiting. Can cause unconsciousness if inhaled. Massive inhalation immediately dangerous to life and health.

**EYES**

Causes redness and tearing.

**RTV 12C  
RTV CURING AGENT****MEDICAL CONDITIONS AGGRAVATED**

Skin disorders and allergies. Central nervous system disorders. Liver and/or kidney damage.

**SUBCHRONIC (TARGET ORGAN )**

Central nervous system.; 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; Eye; Inhalation

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>PRODUCT COMPOSITION</u>	<u>CAS-No.</u>	<u>WGT. %</u>
<b><u>A. HAZARDOUS</u></b>		
Solvent Naphtha	64742-88-7	60 - 100 %
gamma-Aminopropyltriethoxysilane	919-30-2	10 - 30 %
DIBUTYL TINOXIDE	818-08-6	1 - 5 %
<b><u>B. NON-HAZARDOUS</u></b>		
Silicic acid, ethyl ester	11099-06-2	10 - 30 %

**4. FIRST AID MEASURES****INGESTION**

Do NOT induce vomiting. Get medical attention.

**SKIN**

Take off immediately all contaminated clothing. Wash area with soap and water. Get medical attention.

**RTV 12C  
RTV CURING AGENT**

---

**INHALATION**

Move to fresh air.

**EYES**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**NOTE TO PHYSICIAN**

None known.

**5. FIRE-FIGHTING MEASURES**

<b>FLASH POINT:</b>	32.22 °C; 90 °F
<b>METHOD</b>	Closed Cup
<b>IGNITION TEMPERATURE:</b>	Not applicable
<b>FLAMMABLE LIMITS LEL:</b>	Not applicable
<b>FLAMMABLE LIMITS UEL:</b>	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**

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. Keep unauthorized personnel away.

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

Avoid contact with skin and eyes. Use personal protective equipment. Use only in well-ventilated areas. Keep away from heat, sparks and open flame.

**RTV 12C  
RTV CURING AGENT****STORAGE**

Keep container tightly closed in a cool, well-ventilated place.

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

Use only in well-ventilated areas.

**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 Short time contact: 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).

**EYE AND FACE PROTECTION**

Safety glasses with side shields; Monogoggles Safety glasses with side shields

**OTHER PROTECTIVE EQUIPMENT**

Wear suitable protective clothing and eye/face protection.

**Exposure Guidelines**

<b><u>Component</u></b>	<b><u>CAS-No.</u></b>	<b><u>Source</u></b>	<b><u>Value</u></b>
DIBUTYL TINOXIDE	818-08-6	ACGIH, TWA	0.1 mg/m3
DIBUTYL TINOXIDE	818-08-6	ACGIH, STEL	0.2 mg/m3
DIBUTYL TINOXIDE	818-08-6	ACGIH, SKIN_DES	Can be absorbed through the skin.
DIBUTYL TINOXIDE	818-08-6	OSHA Z1, PEL	0.1 mg/m3

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 12C  
RTV CURING AGENT****9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>BOILING POINT (°C):</b>	153.88 °C; 309 °F
<b>VAPOR PRESSURE (20 C) (MM HG):</b>	Negligible
<b>FREEZING POINT:</b>	Not applicable
<b>PHYSICAL STATE:</b>	Liquid
<b>ODOR:</b>	Pungent
<b>Color:</b>	Colorless
<b>SPECIFIC GRAVITY:</b>	1.02
<b>DENSITY:</b>	ca. 0.85 g/cm <sup>3</sup>
<b>ACID / ALKALINITY (MEQ/G):</b>	< 0
<b>pH:</b>	Not applicable
<b>SOLUBILITY IN WATER (20 C):</b>	Reactive.
<b>SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):</b>	Soluble in toluene
<b>VOLATILE ORGANIC CONTENT:</b>	Calculated 78 %(m)

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

Stable

**HAZARDOUS POLYMERIZATION.**

Hazardous polymerisation does not occur.

**HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS**

Carbon dioxide; Amines.; Silicon dioxide.

**INCOMPATIBLE MATERIALS**

Oxidizing agents.

**CONDITIONS TO AVOID**

Keep away from sources of ignition - No smoking. Keep away from sources of ignition - No smoking.

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

Remarks: Not applicable

**ACUTE DERMAL**

Remarks: Not applicable

**ACUTE INHALATION**

Remarks: Not applicable

**RTV 12C  
RTV CURING AGENT**

---

**OTHER**

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

**MUTAGENICITY**

No data available.

**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 METHODS**

Disposal should be made in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**DOT SHIPPING NAME:** CORROSIVE LIQUID, FLAMMABLE,  
N.O.S.(gamma-Aminopropyltriethoxysilane, Naphtha)  
**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)  
**CLASS:** 8  
**IMDG-Labels:** 8, 3  
**UN NUMBER:** UN2920  
**PACKING GROUP:** II  
**EmS No.:** F-E; S-C

**IATA:** CORROSIVE LIQUID, FLAMMABLE,

**RTV 12C  
RTV CURING AGENT**

**CLASS:** N.O.S.(gamma-Aminopropyltriethoxysilane, Naphtha)  
8  
**ICAO-Labels:** 8, 3  
**UN NUMBER:** UN2920  
**PACKING GROUP:** II

**Further Information:** This substance/preparation meets the criteria of a Marine Pollutant (see IMDG paragraph 2.9.3.3) but is not identified in the IMDG Code (Marpol list). As such, substance/preparation shall be transported as a marine pollutant in accordance with the IMDG code.

**15. REGULATORY INFORMATION****Inventories**

Australia Inventory of Chemical Substances (AICS)	y (positive listing)	
Canada DSL Inventory	y (positive listing)	
EU list of existing chemical substances	y (positive listing)	
Japan Inventory of Existing & New Chemical Substances (ENCS)	n (Negative listing)	
China Inventory of Existing Chemical Substances	y (positive listing)	
Korea Existing Chemicals Inventory (KECI)	y (positive listing)	
Canada NDSL Inventory	n (Negative listing)	
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (positive listing)	
TSCA list	y (positive listing)	On TSCA Inventory
New Zealand Inventory of Chemicals	y (positive listing)	
Japan Industrial Safety & Health Law (ISHL) Listing	n (Negative listing)	

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

**CALIFORNIA PROPOSITION 65**

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

**RTV 12C  
RTV CURING AGENT**

---

**Canadian Regulatory Information****WHMIS CLASSIFICATION**

B2 - Flammable liquid  
E - Corrosive Material  
D2A - Very Toxic Material Causing Other Toxic Effects

**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.