

RTV630 010-Pail Kit (10.0LBS-4.54KG) Silicone Moldmaking Material - Component A

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

Revised: 08/28/2007

Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
CHEMTREC 1-800-424-9300

Chemical Family/Use: Silicone Elastomer
Formula: Mixture

HMIS

Flammability: 1 Reactivity: 0 Health: 0

NFPA

Flammability: 1 Reactivity: 0 Health: 1

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION! May cause skin, eye, and respiratory tract irritation. May generate formaldehyde at temperatures greater than 150 C (300 F). See Section 10 of MSDS for details. Attention: Not for injection into humans.

Form: Liquid Color: beige Odor: Slight

POTENTIAL HEALTH EFFECTS

INGESTION

None known. Not an anticipated route of exposure.

SKIN

Skin contact may cause irritation.

INHALATION

Inhalation of vapors may cause irritation of the respiratory tract.

EYES

May cause eye irritation.

MEDICAL CONDITIONS AGGRAVATED

None known.

SUBCHRONIC (TARGET ORGAN)

None known.

CHRONIC EFFECTS / CARCINOGENICITY

This product or one of its ingredients present at 0.1% or more is NOT listed as a carcinogen or

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suspected carcinogen by NTP, IARC, or OSHA.

ROUTES OF EXPOSURE

Inhalation

3. COMPOSITION / INFORMATION ON INGREDIENTS

| <u>PRODUCT COMPOSITION</u> | <u>CAS REG NO.</u> | <u>WGT. %</u> |
|--------------------------------|--------------------|---------------|
| <u>A. HAZARDOUS</u> | | |
| QUARTZ | 14808-60-7 | 30 - 60 % |
| <u>B. NON-HAZARDOUS</u> | | |
| polyvinylsiloxane | 68083-19-2 | 30 - 60 % |
| Polyalkylalkenylsiloxane | 68584-83-8 | 10 - 30 % |
| Limestone | 471-34-1 | 1 - 5 % |

4. FIRST AID MEASURES

INGESTION

Do not induce vomiting. If victim is conscious, give 1-3 glasses of water to drink. Never give anything by mouth to an unconscious person. Get medical attention if irritation persists.

SKIN

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.

EYES

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

NOTE TO PHYSICIAN

Treatment is symptomatic and supportive.

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5. FIRE-FIGHTING MEASURES

FLASH POINT: > 100 °C; 212 °F
IGNITION TEMPERATURE: Not applicable
FLAMMABLE LIMITS IN AIR - LOWER (%): No data available
FLAMMABLE LIMITS IN AIR - UPPER (%): No data available

SENSITIVITY TO MECHANICAL IMPACT: No

SENSITIVITY TO STATIC DISCHARGE
Sensitivity to static discharge is not expected.

EXTINGUISHING MEDIA
All standard extinguishing agents are suitable.

SPECIAL FIRE FIGHTING PROCEDURES
Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

Further Information
Standard procedure for chemical fires.

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. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
Keep container closed when not in use. Avoid contact with skin, eyes and clothing. Keep away from children.

STORAGE
Keep container closed. Store away from heat, sources of ignition, and incompatibles.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS
Eyewash stations; Showers; Exhaust ventilation

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RESPIRATORY PROTECTION

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 gloves

EYE AND FACE PROTECTION

Safety glasses with side-shields

OTHER PROTECTIVE EQUIPMENT

Wear suitable protective clothing and eye/face protection.

Exposure Guidelines

| Component | CAS RN | Source | Value |
|-----------|------------|--------------|--|
| QUARTZ | 14808-60-7 | OSHA Z1, PEL | Respirable fraction. 5 mg/m ³ |
| QUARTZ | 14808-60-7 | OSHA Z1, PEL | Total dust. 15 mg/m ³ |
| QUARTZ | 14808-60-7 | ACGIH, TWA | Respirable fraction. 0.025 mg/m ³ |

Absence of values indicates none found

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average

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: | >260 °C; 500 °F |
| VAPOR PRESSURE (20 C) (MM HG): | Negligible |
| VAPOR DENSITY (AIR=1): | 1.0 |
| FREEZING POINT: | Not applicable |
| MELTING POINT: | Not applicable |
| PHYSICAL STATE: | Liquid |
| ODOR: | Slight |
| COLOR: | beige |
| EVAPORATION RATE (BUTYL ACETATE=1): | < 1 |
| SPECIFIC GRAVITY (WATER=1): | ca. 1.28 |
| DENSITY: | ca. 1.28 g/cm ³ |
| ACID / ALKALINITY (MEQ/G): | Unknown |
| pH: | No data available |
| VOLATILE ORGANIC CONTENT (VOL): | No data available |
| SOLUBILITY IN WATER (20 C): | Insoluble |
| SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): | Toluene |
| VOC EXCL. H2O & EXEMPTS (G/L): | ca. 1 |

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10. STABILITY AND REACTIVITY

STABILITY

Stable

HAZARDOUS POLYMERIZATION

Will not occur

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

Carbon monoxide; Carbon dioxide (CO₂); Silicon dioxide.; Formaldehyde

INCOMPATIBILITY (MATERIALS TO AVOID)

None known.

CONDITIONS TO AVOID

None known.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL

Remarks: Unknown

ACUTE DERMAL

Remarks: Unknown

ACUTE INHALATION

Remarks: Unknown

OTHER

None.

SENSITIZATION

No data available

SKIN IRRITATION

No data available

EYE IRRITATION

No data available

MUTAGENICITY

Unknown

OTHER EFFECTS OF OVEREXPOSURE

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

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skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. A MSDS for formaldehyde is available from Momentive.

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) |
| Japan Inventory of Existing & New Chemical Substances (ENCS) | 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 | y (Positive listing) |

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Chemicals and Chemical
Substances (PICCS)

TSCA list y (Positive listing) On TSCA Inventory
EU list of existing chemical substances y (Positive listing)

For inventories that are marked as quantity restricted or special cases, please contact Momentive.

US Regulatory Information

CERCLA

Reportable quantity: 133,333.333333 lbs

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

SARA (311,312) HAZARD CLASS

No SARA Hazards Acute Health Hazard; Chronic Health Hazard

SARA (313) CHEMICALS

Canadian Regulatory Information

WHMIS HAZARD CLASS

NON-CONTROLLED

Other

SCHDLE B/HTSUS: 3910.00.00.00 Silicones in primary form

ECCN: EAR99

CALIFORNIA PROPOSITION 65

WARNING! This product contains a chemical known in the State of California to cause cancer. 100-41-4, Ethylbenzene. 14808-60-7, Quartz. 71-43-2, Benzene. 108-88-3, Toluene.

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).

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**RTV630 010-Pail Kit (10.0LBS-4.54KG)
Silicone Moldmaking Material - Component B**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

Revised: 08/28/2007

Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
CHEMTREC 1-800-424-9300

Chemical Family/Use: Silicone Rubber
Formula: Mixture

HMIS

Flammability: 1 Reactivity: 1 Health: 0

NFPA

Flammability: 1 Reactivity: 1 Health: 1

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION! Product generates flammable gas on contact with acids, bases or oxidizing substances. May cause irritation of skin and eyes.

Form: Liquid Color: blue Odor: Slight

POTENTIAL HEALTH EFFECTS

INGESTION

None known.

SKIN

May cause mild skin irritation.

INHALATION

None known.

EYES

May cause mild eye irritation.

MEDICAL CONDITIONS AGGRAVATED

None known.

SUBCHRONIC (TARGET ORGAN)

None known.

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.

**RTV630 010-Pail Kit (10.0LBS-4.54KG)
Silicone Moldmaking Material - Component B**

ROUTES OF EXPOSURE

None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| <u>PRODUCT COMPOSITION</u> | <u>CAS REG NO.</u> | <u>WGT. %</u> |
|--------------------------------|--------------------|---------------|
| <u>A. HAZARDOUS</u> | | |
| ETHYLBENZENE | 100-41-4 | < 1 % |
| METHYLHYDROGENPOLYSILOXANE | 68988-57-8 | 30 - 60 % |
| <u>B. NON-HAZARDOUS</u> | | |
| polyvinylsiloxane | 68083-19-2 | 30 - 60 % |
| Polyalkylalkenylsiloxane | 68584-83-8 | 10 - 30 % |

4. FIRST AID MEASURES

INGESTION

Rinse mouth with water several times. Obtain medical attention.

SKIN

After contact with skin, remove product mechanically. Wash off with soap and water.

INHALATION

None known.

EYES

Immediately flush eye(s) with plenty of water. If eye irritation persists, consult a specialist.

NOTE TO PHYSICIAN

None known.

5. FIRE-FIGHTING MEASURES

| | |
|---|------------------|
| FLASH POINT: | > 100 °C; 212 °F |
| FLAMMABLE LIMITS IN AIR - LOWER (%): | Not applicable |
| FLAMMABLE LIMITS IN AIR - UPPER (%): | Not applicable |

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SENSITIVITY TO MECHANICAL IMPACT: No

EXTINGUISHING MEDIA

Carbon dioxide (CO₂), Foam, Water spray, Dry powder

SPECIAL FIRE FIGHTING PROCEDURES

Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

Further Information

Standard procedure for chemical fires.

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.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Use personal protective equipment. Avoid contact with skin, eyes and clothing. Keep container closed when not in use to prevent contact with acidic, basic, or oxidizing materials, and metallic catalysts like tin soaps and noble metals (Pt, Rh, etc.).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS

Eyewash stations

RESPIRATORY PROTECTION

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

Protective gloves

EYE AND FACE PROTECTION

Safety glasses with side-shields

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OTHER PROTECTIVE EQUIPMENT

Lightweight protective clothing

Exposure Guidelines

| <u>Component</u> | <u>CAS RN</u> | <u>Source</u> | <u>Value</u> |
|------------------|---------------|---------------|--------------|
|------------------|---------------|---------------|--------------|

Absence of values indicates none found

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average

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: | >300 °C; 572 °F |
| VAPOR PRESSURE (20 C) (MM HG): | No data available |
| VAPOR DENSITY (AIR=1): | No data available |
| FREEZING POINT: | No data available |
| MELTING POINT: | No data available |
| PHYSICAL STATE: | Liquid |
| ODOR: | Slight |
| COLOR: | blue |
| EVAPORATION RATE (BUTYL ACETATE=1): | Unknown |
| SPECIFIC GRAVITY (WATER=1): | ca. 1.02 |
| DENSITY: | ca. 1,020 g/cm3 |
| ACID / ALKALINITY (MEQ/G): | No data available |
| pH: | N/A |
| VOLATILE ORGANIC CONTENT (VOL): | No data available |
| SOLUBILITY IN WATER (20 C): | Insoluble |
| SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): | Soluble in toluene |
| VOC EXCL. H2O & EXEMPTS (G/L): | ca. 5 |

10. STABILITY AND REACTIVITY

STABILITY

Stable

HAZARDOUS POLYMERIZATION

Will not occur

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

Flammable hydrogen gas.; Carbon dioxide (CO2); Carbon monoxide; Formaldehyde; Silicon dioxide.

INCOMPATIBILITY (MATERIALS TO AVOID)

Avoid contact with acidic, basic, or oxidizing agents, and metallic catalysts like tin soaps and noble

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metals (Pt, Rh, etc.).

CONDITIONS TO AVOID

Avoid contact with acids, bases, or oxidizing agents. Product generates flammable gas on contact with acids, bases or oxidizing substances.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL

Remarks: None known.

ACUTE DERMAL

Remarks: None known.

ACUTE INHALATION

Remarks: Unknown

OTHER

None.

MUTAGENICITY

Unknown

OTHER EFFECTS OF OVEREXPOSURE

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.

12. ECOLOGICAL INFORMATION

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

**RTV630 010-Pail Kit (10.0LBS-4.54KG)
Silicone Moldmaking Material - Component B**

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) | |
| Japan Inventory of Existing & New Chemical Substances (ENCS) | 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) | |
| TSCA list | y (Positive listing) | On TSCA Inventory |
| EU list of existing chemical substances | y (Positive listing) | |
| Canada NDSL Inventory | 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
No SARA Hazards

SARA (313) CHEMICALS

Canadian Regulatory Information

WHMIS HAZARD CLASS
D2A VERY TOXIC MATERIALS

Other

SCHDLE B/HTSUS: 3910.00.00.00 Silicones in primary form

ECCN: EAR99

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Silicone Moldmaking Material - Component B**

CALIFORNIA PROPOSITION 65

Warning! This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

71-43-2, Benzene. 108-88-3, Toluene.

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).