

Safety Data Sheet

Red Silicone Sealant, 600 F High Heat RTV

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PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Red Silicone Sealant, 600 F High Heat RTV
SDS Number: 14
Product Code: 76R, 76RT
Revision Date: 10/7/2021
Version: 1
Product Description: High Heat (up to 600 F intermittent) room temperature vulcanizing silicone sealant; neutral cure.
Product Use: High heat sealant

Supplier Details: Rutland
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HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Serious Eye Damage/Eye Irritation, 2 B
Health, Skin sensitization, 1
Health, Reproductive toxicity, 2
Health, Specific target organ toxicity - Repeated exposure, 2

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

H320 - Causes eye irritation
H317 - May cause an allergic skin reaction
H361 - Suspected of damaging fertility or the unborn child.
H373 - May cause damage to organs (Cardiovascular/Hematological:hematopoiesis) through prolonged or repeated exposure.

GHS Precautionary Statements:

P233 - Keep container tightly closed.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P501 - Dispose of contents/container in accordance with local, regional, state and federal regulations.
P201 - Obtain special instructions before use.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P314 - Get medical advice/attention if you feel unwell.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do Continue rinsing.

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P337 + P313 - If eye irritation persists: Get medical advice/attention.
P308 + P313 - IF exposed or concerned: Get medical advice/ attention.
P362 + P364 - Take off contaminated clothing and wash it before reuse.
P405 - Store locked up.
P501 - Dispose of contents/container according to all local, state and federal regulations.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Eyes; Skin; Ingestion
Skin Contact: May cause irritation.
Eye Contact: May cause irritation.
Ingestion: Ingestion is not an applicable route of entry for intended use.
Not a hazardous substance or mixture.

3 COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
1309-37-1		Iron oxide (Fe ₂ O ₃)
96-29-7		2-Butanone, oxime
556-67-2		Cyclotetrasiloxane, octamethyl-
70131-67-8		Siloxanes and Silicones, di-Me, hydroxy-terminated
2224-33-1		2-Butanone, O,O',O''- (ethenylsilylidyne)trioxime
22984-54-9		2-Butanone, O,O',O''- (methylsilylidyne)trioxime
68611-44-9		Silane, dichlorodimethyl-, reaction products with silica

Percentages withheld, Trade secret.

4 FIRST AID MEASURES

Inhalation: Remove to fresh air. Seek medical attention if cough or other symptoms develop or persist.
Skin Contact: Wash with plenty of water. Get medical attention if irritation develops or persists.
Eye Contact: Immediately flush eyes with plenty of water. After initial flushing, remove contact lenses and continue flushing for at least 15 minutes. If effects occur, consult a physician, preferably an ophthalmologist. May cause injury due to mechanical action.
Ingestion: Rinse mouth with water. Seek immediate medical attention

5 FIRE FIGHTING MEASURES

Flammability: Not classified as a flammability hazard.
Flash Point: 96 C (204.8 F)
Flash Point Method: Closed cup
Burning Rate: Not Available
Autoignition Temp: Not Available

Use regular dry chemical, alcohol resistant foam, carbon dioxide or water - choose the one most appropriate for type of surrounding fire.

6 ACCIDENTAL RELEASE MEASURES

Absorb spilled material and place in appropriate container for disposal.

7 HANDLING AND STORAGE

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Handling Precautions: Use with adequate ventilation. Avoid contact with eyes. Avoid prolonged and repeated contact with skin. Wash thoroughly after handling. Keep away from food and drinking water.

Storage Requirements: Keep container closed to prevent drying out. Store in a cool, well ventilated area.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible.

Personal Protective Equipment: Wear protective clothing, including long sleeves and gloves, to prevent skin contact. Thoroughly wash clothing before reuse.

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Red paste	Odor:	Oxime
Physical State:	Liquid	Molecular Formula:	Not Available
Odor Threshold:	Not Available	Solubility:	insoluble
Particle Size:	Not Available	Softening Point:	Not Available
Spec Grav./Density:	1.03	Percent Volatile:	Not Available
Viscosity:	Not Available	Heat Value:	Not Available
Saturated Vapor Concentration:	Not Available	Freezing/Melting Pt.:	Not Available
Boiling Point:	Not Available	Flash Point:	96 C (204.8 F)
Flammability:	Not classified as a flammability hazard.	Octanol:	Not Available
Partition Coefficient:	Not Available	Vapor Density:	>1 (air = 1)
Vapor Pressure:	Not Available	VOC:	1-3% (wt)
pH:	Not Available	Bulk Density:	Not Available
Evap. Rate:	<1 (Butyl Acetate = 1)	Auto-Ignition Temp:	Not Available
Molecular weight:	Not Available	UFL/LFL:	Not Available
Decomp Temp:	Not Available		

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STABILITY AND REACTIVITY

Reactivity: This product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical Stability: Product is stable under normal conditions.

Conditions to Avoid: Premature exposure to air or moisture initiates curing and the release of Methylethylketoxime.

Materials to Avoid: Strong Oxidizing Agents; Water Moisture

Hazardous Decomposition: Formaldehyde, Silicon Dioxide, Nitrogen Oxides

Hazardous Polymerization: Will not occur.

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TOXICOLOGICAL INFORMATION

No data available.

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ECOLOGICAL INFORMATION

No information available

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DISPOSAL CONSIDERATIONS

Dispose of this product in accordance with all applicable local, state and federal regulations.

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TRANSPORT INFORMATION

Not Regulated

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REGULATORY INFORMATION

RQ (CAS#) Substance - Reg Codes

Iron oxide (Fe₂O₃) (1309-37-1) MASS, OSHAWAC, PA, TSCA, TXAIR

2-Butanone, oxime (96-29-7) TSCA, TXAIR

Cyclotetrasiloxane, octamethyl- (556-67-2) GADSL, TSCA

Siloxanes and Silicones, di-Me, hydroxy-terminated (70131-67-8) TSCA

2-Butanone, O,O',O''-(ethenylsilylidyne)trioxime (2224-33-1) TSCA

2-Butanone, O,O',O''-(methylsilylidyne)trioxime (22984-54-9) TSCA

Silane, dichlorodimethyl-, reaction products with silica (68611-44-9) TSCA

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

Regulatory Code Legend

MASS = MA Massachusetts Hazardous Substances List

OSHAWAC = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

GADSL = Global Automotive Declarable Substance List (GADSL)

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

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OTHER INFORMATION

PREPARED BY: Brian Miller

MANUFACTURER DISCLAIMER: The information presented herein is believed to be accurate but is not warranted. Recipients are advised to confirm in advance that the information is current, applicable and suitable to their circumstances.

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