



MATERIAL SAFETY DATA SHEET



5250-A Naiman Parkway, Solon, OH 44139
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FOR CHEMICAL
EMERGENCY
Call Chemtrec day/night:
1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: RTV Gasket Maker and Sealer Hi-Temp Red
RED LION PART NUMBER: 74153
PRODUCT TYPE: Silicone Sealant
CHEMICAL FAMILY: N/A

DATE PREPARED: 04/06/01

CHROMATE INDUSTRIAL CORPORATION
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2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS#	WT%	EXPOSURE LIMITS
Silica, amorphous	007631869	10	Observe particulates limits. OSHA PEL: TWA 15 mg/m3 total dust, 5 mg/m3 respirable fraction. ACGIH TLV: TWA 10 mg/m3 total dust.
Methyltrisilane (ethylmethylketoxime)	022984549	3	See ethylmethylketoxime comments.
Dimethoxymethylsilane (ethylmethylketoxime)	083817725	1	See ethylmethylketoxime and methyl alcohol comments.
Ethoxytrisilane	101371000	.5	See ethyl alcohol and ethyl methyl ketoxime comments.
Diethoxydisilane (ethylmethylketoxime)	093917750	.4	See ethyl alcohol and ethyl methyl ketoxime comments.
Methylethylketoxime	96297	.1	AIHA WEEL: TWA 10 ppm.
Triethoxysilane (ethylmethylketoxime)	101371011	.1	See ethyl alcohol and ethylmethyl ketoxime comments.
Tetrasilane(methylethylketoxime)	34206401	.1	See ethyl methyl ketoxime comments.

Comments: Methyl alcohol forms on contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 200 ppm and ACGIH TLV-skin: TWA 200 ppm, STEL 250 ppm.

Ethylmethylketoxime is formed upon contact with water or humid air. Provide adequate ventilation to control exposures to within the exposure guideline of 10 ppm (TWA).

Ethyl alcohol is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL and ACGIH TLV: TWA 1000 ppm.

3. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF ENTRY: Eyes, Inhalation

EFFECTS OF OVEREXPOSURE:

INHALATION: Causes mild respiratory irritation.

INGESTION: May cause gastric distress.

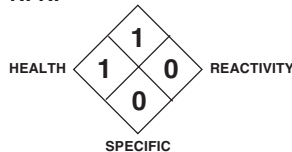
SKIN CONTACT: Uncured product contact will irritate lips, gums, tongue and skin.

EYE CONTACT: Uncured product contact irritates eyes.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

HAZARD RATINGS

NFR: FLAMMABILITY



HMS:

1	HEALTH
1	FLAMMABILITY
0	REACTIVITY
B	PROTECTION

4. FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove to fresh air.

INGESTION: No first aid should be needed.

SKIN CONTACT: To clean from skin, remove completely with a dry cloth or paper towel before washing with detergent and water. Get medical attention if irritation develops.

EYE CONTACT: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT (CLOSED CUP): N/D **AUTOIGNITION:** N/D

EXTINGUISHING MEDIA: Carbon dioxide (CO₂), Water, Water Fog (or Spray), Dry Chemical, Foam.

FIRE FIGHTING PROCEDURES: Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. If large amount is involved, evacuate area.

UNUSUAL AND EXPLOSION HAZARDS: None

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Sulfur Oxides. Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Iodine compounds. Formaldehyde. If container is an aerosol product, treat as compressed gas. Extinguishing media: CO₂, Dry Chemical, Water Fog.

6. ACCIDENTIAL RELEASE MEASURES

SPILLS OR LEAKS: Wipe 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

SPECIAL PRECAUTIONS: Avoid contact with skin and eyes.

CAUTION! Wearers of contact lenses must not handle lenses until all sealant has been cleaned from fingertips; residual silicone will transfer to lenses and cause severe eye irritation.

Use mechanical ventilation to stay below TLV of 10 ppm acetic acid.

Uncured product contact irritates eyes.

Uncured product contact irritates skin.

Use in a well ventilated area to prevent irritation by vapors.

ENGINEERING CONTROLS: Eyewash stations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use in a well ventilated area.

PROTECTIVE GLOVES: Cloth gloves.

EYE PROTECTION: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: None known.

VENTILATION: Use only in well ventilated area.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOR DENSITY @ 25C: N/A

VAPOR PRESSURE @ 25C: N/A

SOLUBILITY IN WATER: None

PERCENT VOLATILE BY VOLUME: N/A

APPEARANCE AND ODOR: Red, Slight medicinal odor

SPECIFIC GRAVITY @ 25C: 1.05

FREEZING / MELTING POINT: N/D

pH: Neutral

EVAPORATION RATE: Faster than ether

FORM: Paste

VOLATILE CONTENTS: N/A

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Exposure to air or moisture until ready to use; releases about 4% methylethylketoxime.

HAZARDOUS POLYMERIZATION: Will not occur

COMMENTS: None

11. TOXICOLOGICAL INFORMATION

EYE: No data available. **SKIN:** No data available. **INGESTION:** No data available. **INHALATION:** No data available.

SUBCHRONIC: No data available.

CHRONIC CARCINOGENICITY:

CARCINOGENICITY: NTP: Not Listed **IARC MONOGRAPH:** Not Listed **OSHA REGULATED:** Not Regulated

TERATOLOGY: No data available. **REPRODUCTION:** No data available. **MUTAGENICITY:** No data available.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data available.

CHEMICAL FATE INFORMATION: No data available.

13. DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS: No data available.

WASTE DISPOSAL METHOD: Disposal should be made in accordance with Federal, State and Local Regulations.

14. TRANSPORT INFORMATION

TRANSPORTATION REQUIREMENTS (49CFR172-101)

D.O.T. SHIPPING NAME: None

EPA HAZARD CLASS: Eye irritant

RID (OCTI): None

D.O.T. HAZARD CLASS: None

CPSC CLASSIFICATION: Eye irritant

ADR (ECE): None

D.O.T. LABEL(S): None

TRANSPORTATION CLASS: IMO None

RAR (IATA): None

15. REGULATORY INFORMATION

EXPOSURE LIMITS: No data available.

16. OTHER INFORMATION

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in this MSDS. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

N/D — NOT DETERMINED N/A — NOT APPLICABLE N/R — NOT REGULATED

Conforms to 29 CFR 1910.1200, OSHA

ANSI Z129.1 - 1988 American National Standard for Hazardous Industrial Chemicals