Material Safety Data Sheet

Revision Date: 08/24/2006 **Issue date:** 08/24/2006

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: High Temp. RTV Silicone Sensor-Safe Gasket Maker
Item No. : 81422 / IDH No. 235331
Product Use: Silicone Rubber Sealant
Region: Canada

Company address:
Henkel Canada Corporation
2225 Meadowpine Boulevard
Mississauga, Ontario L5N 7P2

Contact Information:
Telephone: (905) 814-6511
Emergency telephone: (905) 814-6511
Internet: www.henkelna.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	%	ACGIH TLV	OSHA PEL	OTHER
Silica, amorphous (fumed) 7631-86-9	5-10	6 mg/m^3 TWA	10 mg/m^3 TWA	3 mg/m^3 TWA respirable dust
Iron oxide 1309-37-1	1-5	1 mg/m^3 TWA as Fe 5 mg/m^3 TWA dust and fume, as Fe	10 mg/m^3 TWA	None
Ethyltriacetoxysilane 17689-77-9	1-5	None	None	None
Methyltriacetoxysilane 4253-34-3	1-5	None	None	None

Exposure to moisture during cure will release 1-5% acetic acid. The above components are hazardous as defined in 29 CFR 1910.1200.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Paste
Color: Red
Odor: Acetic Acid
WHMIS hazard class: D.2.B

CAUTION: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin contact, Eye contact, Inhalation

Potential Health Effects

Inhalation: Acetic acid produced during cure may irrritate eyes, nose and throat. When heated to temperatures exceeding 300° F (150° C) in the presence of air, silicones may form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate the eyes, nose and throat. Safe handling conditions may be maintained by keeping formaldehyde vapor concentrations below the OSHA permissible limt.

Skin contact: May cause skin irritation.

Eye contact: Vapors may irritate eyes. Contact with eyes will cause irritation.

Ingestion: Not expected to be harmful by ingestion.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If discomfort persists seek medical attention.

Skin contact: Wipe off paste with paper towel or cloth. Wash with soap and water.

Eye contact: Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

Ingestion: Do not induce vomiting. If a person feels unwell or symptoms of skin irritation appear, consult a physician.

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash point: Greater than 93ºC (200ºF) Tagliabue closed cup

Autoignition temperature: Not available

Flammable/Explosive limits-lower %: Acetic acid: 4%

Flammable/Explosive limits-upper %: Acetic acid: 19.9%@ 200®F

Extinguishing media: Foam, dry chemical or carbon dioxide.

Special fire fighting procedures: None

Unusual fire or explosion hazards: None

Hazardous combustion products: Formaldehyde. Silica Mist. Acrid smoke and fumes.

Sensitivity to mechanical impact: Not available.

Sensitivity to static discharge: Not available.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Prevent product from entering drains or open waters.

Clean-up methods: Scrape up as much material as possible. Spilled material will solidify. Store in a closed container until ready for disposal. Maintain good ventilation for large spills.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Do not get in eyes. Do not get on skin or clothing. Do not wear contact lenses.

Storage: Store in a dry area below 90° F Keep container closed.

Incompatible products: Avoid contact with water. Acids. Oxidizing agents.

For information on product shelf life contact Henkel Canada Customer Service at (905) 814-6511.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Ensure adequate ventilation.

Respiratory protection: No personal respiratory protective equipment normally required. Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Skin protection: Chemical resistant, impermeable gloves.

Eye/face protection: Chemical splash goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Paste
Color:	Red
Odor:	Acetic Acid
Odor Threshold:	Not available
Vapor pressure:	<10 mmHg @20°C (68° F)
pH:	Not applicable
Boiling point/range:	Not available
Melting point/range:	Not available
Specific gravity:	1.01 at 20 deg. C
Vapor density:	Heavier than air
Evaporation rate:	Not available
Solubility in water:	Insoluble Polymerizes in presence of water
Partition coefficient (n-octanol/water):	Not available
VOC content:	4.7%; 47.47 grams/liter

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: Acetic acid is liberated slowly upon contact with moisture. Formaldehyde.

Incompatability: Acids. Bases. Oxidizing agents. Water.

Conditions to avoid: Prolonged heating at temperatures above 150“C °C. Exposure to moisture.

11. TOXICOLOGICAL INFORMATION

Product toxicity data: Not available

Toxicologically synergistic products: Not available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

Ingredient Toxicity Data & Carcinogen Status

Hazardous components	LD50s & LC50s	Other LD50s and LC50s	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen	ACGIH - Carcinogens
Silica, amorphous (fumed) 7631-86-9	Dermal LD50 (Rabbit) > 2000 mg/kg Oral LD50 (Rat) > 5000 mg/kg	None	No	No	No	No
Iron oxide 1309-37-1	Oral LD50 (Rat) = 984 mg/kg Oral LD50 (Rat) > 10000 mg/kg	None	No	No	No	A4 - Not Classifiable as a Human Carcinogen (dust and fume)
Ethyltriacetoxysilane 17689-77-9	None	None	No	No	No	No
Methyltriacetoxysilane 4253-34-3	Oral LD50 (Rat) = 2060 mg/kg	None	No	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Silica, amorphous (fumed) 7631-86-9	Nuisance dust
Iron oxide 1309-37-1	Lung, Liver, Kidney, Irritant, Central nervous system, Cardiac, Allergen
Ethyltriacetoxysilane 17689-77-9	No Target Organs
Methyltriacetoxysilane 4253-34-3	Allergen, Irritant

12. ECOLOGICAL INFORMATION

Ecological information: No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, groundwater, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of in accordance with federal and local regulations.

14. TRANSPORT INFORMATION

Canada Transportation of Dangerous Goods - Ground:

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

WaterTransportation (IMO/IMDG):

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None

Packing group: None
Marine pollutant: None known

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Domestic Substances List.

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: Reviewed MSDS. Reissued with new date

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Product Regulations.

Prepared by: Regulatory Affairs

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