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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 26BR HIGH TEMP RTV RED SILICONE GASKET MAKER 3 OZ
Item No: 81160
Product Type: Silicone

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
POLY (DIMETHYLSILOXANE), HYDROXY TERMINATED 70131-67-8	>60	Not listed	Not listed
AMORPHOUS SILICA 7631-86-9	5-15	Not listed	20 mppcf
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE 64742-46-7	<7	5 mg/m ³	Not listed
IRON OXIDE 1309-37-1	<5	5 mg/m ³	10 mg/m ³
ETHYLTRIACTOXSILANE 17689-77-9	<5	Not listed	Not listed
METHYLTRIACTOXSILANE 4253-34-3	<5	Not listed	Not listed
POLYDIMETHYLSILOXANE 63148-62-9	<5	Not listed	Not listed
TITANIUM DIOXIDE 13463-67-7	<2	10 mg/m ³	15 mg/m ³
ACETIC ACID 64-19-7	0.5-2.0	5 mg/m ³	10 ppm; 25 mg/m ³

3. HAZARDS IDENTIFICATION

Toxicity: May cause eye and skin irritation. May irritate lips, gums, tongue, mouth, nose and throat. ****When this product is exposed to moisture, acetic acid may be formed. May irritate respiratory system upon frequent or prolonged use. Note: This product does not contain microcrystalline silica.

Primary Routes of Entry: Eye and skin contact, ingestion, inhalation

Signs and Symptoms of Exposure: Acetic acid produced during curing irritates eyes, nose and throat..

Component	Weight%	NTP	ACGIH Carcinogens	IARC
AMORPHOUS SILICA 7631-86-9	5-15			Group 3 Monograph 68, 1997
IRON OXIDE 1309-37-1	<5		A4 - Not Classifiable	Group 3, Supplement 7 1987; Monograph 1 1972
TITANIUM DIOXIDE 13463-67-7	<2	male rat-negative, female rat-negative, male mice-negative, female mice-negative	A4	Group 2B; Vol 93,2006; Vol 47,1989

Medical Conditions Recognized as Being Aggravated by Exposure: Methyltriacetoxysilane: Eye, skin and pulmonary disorders.

4. FIRST AID MEASURES

Ingestion: Rinse mouth. If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Obtain medical attention.

Skin Contact: Wipe off material with paper towel or cloth. Wash off with soap and water. If skin irritation persists, call a physician.

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

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5. FIRE FIGHTING MEASURES

Flash Point °F(C°): >200° F TCC
Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Special Fire-Fighting Procedures: Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.
Hazardous Products of Combustion: Acetic acid, Formaldehyde, Silica fume, Oxides of nitrogen, Oxides of carbon, Oxides of sulfur, Metal oxide fumes
Unusual Fire/Explosion Hazards: None.
Lower Explosive Limit: Acetic acid: 4%
Upper Explosive Limit: Acetic acid: 19..9%

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Wipe or scrape up spill material. Maintain good ventilation for large spills. Place scrap material in a well-ventilated area and allow to cure to rubber. Clean up spills thoroughly as residue is slippery.

7. HANDLING AND STORAGE

Storage: Store away from water or moisture. Keep away from oxidizers.
Handling: Avoid contact with skin and eyes. Do not wear contact lenses. Use only in a well ventilated area. Do not take internally.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses.
Skin: Neoprene or nitrile gloves recommended.
Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.
Respiratory Protection: An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.
Comments: When heated to temperatures above 300 degrees F. in the presence of air, this product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Safe handling conditions may be maintained by keeping vapor concentrations below the OSHA permissible limit for formaldehyde

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red paste
Odor: Acetic acid
Boiling Point: Not applicable, polymeric material
pH: Does not apply
Solubility in Water: Polymerized
Specific Gravity: 1.0
VOC(Wt.%): 3.0%; 0.25 lb/gal; 30 g/l
Vapor Pressure: 10 mm Hg
Vapor Density (Air=1): Not Determined
Evaporation Rate: Not Determined

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal conditions
Hazardous Polymerization: Will not occur.
Incompatibilities: Polymerized by contact with moisture. Acetic acid liberated.
Conditions to Avoid: Exposure to moisture.
Hazardous Products of Combustion: Acetic acid, Formaldehyde, Silica fume, Oxides of nitrogen, Oxides of carbon, Oxides of sulfur, Metal oxide fumes

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

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13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations..
US EPA Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Ground Transport (DOT)

DOT Shipping Name: Not Regulated
Hazard Class: None
UN/ID Number: None

IATA

Proper Shipping Name: Not regulated
Class or Division: None
UN/ID Number: None

IMDG

Proper Shipping: Not regulated
Hazard Class: None
UN Number: None

Marine Pollutant: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

NONE

California Proposition 65: No California Prop 65 chemicals are known to be present at or above the No Significant Risk Level

TSCA Inventory Status: All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 1, REACTIVITY 0.

Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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Revision Date: October 26, 2009
Revision Number: 2

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Section I. Product Identification and Uses

HMIS (HFRP)
Health Hazard 2
Fire Hazard 0
Reactivity 0
Personal Protection b

Common / Trade name	KAIDRI RINSE AID	TDG	Not controlled under TDG (Canada).
WHMIS	D1A, D2B	PIN	Not applicable.
Code	0919	PG	Not available.
Material uses	Industrial applications: Rinse Aid		

Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
Alcohols, C12-14 ethoxylated, propoxylated	68439-51-0	10 - 30	Not available.	ORAL (LD50): Acute: 3234 mg/kg [Rat]. DERMAL (LD50): Acute: 2000 mg/kg [Rabbit].
2-Butoxyethanol	111-76-2	5 - 10	ACGIH TLV (Canada). TWA: 20 ppm EU OEL (Canada). Skin VME: 25 ppm	ORAL (LD50): Acute: 1480 mg/kg [Rat.]. 1230 mg/kg [Mouse]. 320 mg/kg [Rabbit]. DERMAL (LD50): Acute: 400 mg/kg [Rabbit]. VAPOR (LC50): Acute: 450 ppm 4 hour(s) [Rat]. 927 ppm 4 hour(s) [Mouse].

Section III. First Aid Measures

Eye contact IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.
Skin contact In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Inhalation Allow the victim to rest in a well ventilated area. If discomfort persists seek medical attention.
Ingestion DO NOT induce vomiting. Have conscious person drink several glasses of water. Seek immediate medical attention.

Section IV. Physical Data

Physical state and appearance	Liquid. (Clear.)	Colour	Colorless.
pH (1% soln/water)	5.9 (Conc. (% w/w): 100) [Acidic.]	Odour	Slight
pH (concentrate)	5.9	Volatility	Not available.
Boiling point	The lowest known value is 100°C (212°F) (Water).	Vapour density	The highest known value is > 1 (Air = 1) (Alcohols, C12-C14, ethoxylated propoxylated). Weighted average: 1.03 (Air = 1)
Specific gravity	1.001 (Water = 1)	Vapour pressure	The highest known value is 2.3 kPa (17.2 mm Hg) (at 20°C) (Water).
Solubility	Miscible in water.		

Section V. Fire and Explosion Data

The product is Non-flammable.
Auto-ignition temperature Not applicable.
Flash points Not applicable.
Degradation products Not applicable.
Extinguishing media Use DRY chemicals, CO2, water spray or foam.

Section VI. Reactivity data

Stability The product is stable.
Decomp. products Not available.
Reactivity Slightly reactive to reactive with oxidizing agents.

Section VII. Toxicological properties

Route of entry Eye contact. Ingestion. Inhalation. Skin contact.
Toxicity See section II.
for

animals

Acute effects Irritating to eyes and skin. Dangerous in case of skin contact irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly dangerous in case of skin contact (permeator).

Chronic effects 2-Butoxyethanol : In animals, effects have been reported on the following organs : Blood (hemolysis), secondary effect to the kidney and liver. Human red blood cells have been shown to be significantly less sensitive to hemolysis than those of rodents and rabbits. 2-Butoxyethanol : No evidence of risk in human.

Section VIII. Preventive measure

Waste disposal Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.

Storage Store in a dry, cool and well ventilated area. Keep away from incompatibles.

Precautions Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Wear suitable gloves and eye/face protection.

Spill and leak Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Section IX. Personal protective equipment

Gloves Nitrite gloves.

Respiratory A respirator is not needed under normal and intended conditions of product use.

Eyes Splash goggles.

Other Synthetic apron. Splash goggles, gloves, full suit and boots: are recommended under exceptional circumstances such as fire or spill.

Eng. controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Section X. Preparation and other Information

Validated by the Regulatory Affairs Department on 30 Jan. 2008

Printed 14 Mar. 2008

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Annex A. Legend

HMIS Hazardous Materials Identification System
WHMIS WHMIS Workplace Hazardous Materials Information System
TDG Transport Dangerous Goods
PIN Product Identification Number
PG Packaging Group
