Conforms to OSHA Hazard Communication Standard 2024/ United States

SAFETY DATA SHEET

1. Product And Company Identification

GHS product identifier: **Hi-Temp Extreme Gasket RTV II Silicone Gasket Maker**
Other means of identification: **808661, 808660**

Relevant identified uses of the substance or mixture and uses advised against:
Silicone sealant

Supplier's details:
Kimball Midwest
4800 Roberts Road
Columbus, OH 43228
Corporate Telephone: 800.233.1294

Emergency telephone number: CHEMTREC, **24 hours/day, 7 days/ week**
U.S.: 1-800-424-9300

SDS Date of Preparation: 07/19/2024

2. Hazards Identification

GHS Classification:

Physical:	**Health:**
Aerosol Category 3	Eye Irritant Category 2A Skin Sensitization Category 1 Specific Target Organ Toxicity – Repeat Exposure Category 2

GHS Label Elements:

Warning!

Statements of Hazard	**Precautionary phrases**
Pressurized container: may burst if heated. Causes serious eye irritation. May cause an allergic skin reaction. May cause damage to blood, liver, respiratory system, and spleen through prolonged or repeated exposure. **Response** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse. Get medical attention if you feel unwell.	**Prevention** Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe vapors. Contaminated work clothing must not be allowed out of the workplace. Wash thoroughly after handling. Wear protective gloves and eye protection. **Storage** Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

	Disposal Dispose of contents and container in accordance with local and national regulations.

3. Composition/Information on Ingredients

Component	CAS No.	Amount
1,1-Difluoroethane	75-37-6	<1%
Distillates (petroleum), straight-run middle	64741-44-2	1-10%
Vinyl Oximino Silane	2224-33-1	<5%
2-Butanone, O,O',O''- (methylsilylidyne) trioxime	22984-54-9	<5%
N-beta-(aminoethyl)-gamma aminopropyltrimethoxysilane	1760-24-3	<5%

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. First Aid Measures

Inhalation: If symptoms of exposure develop, remove to fresh air. Seek medical attention if breathing problem or irritation persists.

Skin Contact: Wash exposed skin with soap and water for several minutes. If skin irritation or rash develops, seek medical attention.

Eye Contact: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice or attention.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Most Important Symptoms: Causes serious eye irritation. May cause an allergic skin reaction in some individuals. Vapors may cause mild respiratory irritation. Repeated or prolonged inhalation may cause damage to the respiratory system. Repeated or prolonged contact may cause damage to the liver, spleen, and bone marrow. Repeated or prolonged ingestion may cause damage to the Blood, cardiovascular, and hematological system.

Indication of Immediate Medical Attention/Special Treatment: None known.

5. Firefighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use extinguishing media suitable for surrounding fire.

Specific Hazards Arising from the Chemical: Not classified as flammable but contains a flammable propellant. Contents under pressure. Burning may produce very toxic, flammable formaldehyde; silicon oxides; carbon oxides. Exposure of containers to heat and flames can cause them to rupture often with violent force.

Special Fire Fighting Procedures: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting cans.

6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Ventilate the area. Wear appropriate protective clothing and equipment.

Methods and Materials for Containment and Clean-Up: Place leaking can in a pail in a well-ventilated area until

pressure has dissipated. Collect residual liquid using inert absorbents and place into a suitable container for disposal.

Environmental Precautions: Report release as required by local and national regulations.

7. Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes and skin. Avoid breathing vapors or gas. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Contents under pressure, do not puncture or incinerate containers.

Conditions for Safe Storage, including any Incompatibilities: Will evolve methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Store in a cool, dry, well-ventilated area, away from incompatible materials. Do not store in direct sunlight or above 120°F. **U.F.C. (NFPA 30B) Level 1 Aerosol.**

8. Exposure Controls / Personal Protection

Exposure Guidelines:

CHEMICAL	EXPOSURE LIMIT
1,1-Difluoroethane	1000 ppm TWA AIHA WEELs
Distillates (petroleum), straight-run middle	None established
Vinyl Oximino Silane	None established
Methyl Oximino Silane	None established
N-beta-(aminoethyl)-gamma aminopropyltrimethoxysilane	None established

Appropriate Engineering Controls: General ventilation should be adequate for normal use. For operations where the exposure limits may be exceeded, forced ventilation such as local exhaust may be needed to maintain exposures below applicable limits.

Personal Protective Equipment

Respiratory Protection: None under normal use conditions. For operations where the exposure limits may be exceeded, a NIOSH approved supplied air respirators recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134; all applicable laws and regulations; and good industrial hygiene practice.

Gloves: Wear impervious gloves to avoid skin contact.

Eye Protection: Safety glasses are recommended if eye contact is possible.

Other Protective Equipment/Clothing: Wear personal protective as needed to avoid skin contact.

9. Physical and Chemical Properties

Appearance and Odor: Black or Red viscous paste.

Physical State: Thick liquid under pressure	**Odor Threshold:** Not determined
pH: Not determined	**Specific Gravity:** 1.41 (Liquid component)
Initial Boiling Point/Range: Not determined	**Vapor Pressure:** Not determined
Melting/Freezing Point: Not determined	**Relative Vapor Density:** (Air = 1) Not determined
Solubility In Water: Not determined	**Percent Volatile:** Not determined
Kinematic Viscosity: Not determined	**Evaporation Rate:** (n-butyl acetate = 1.0):

	Not determined
Decomposition Temperature: Not available	**VOC Content:** Not determined
Coefficient Of Water/Oil Distribution: Not determined	**Autoignition Temp:** Not determined
Flash Point: Not applicable	**Flame extension:** Not determined
Flammability Limits: LEL: 3.7% (1,1-Difluoroethane) UEL: 18% (1,1-Difluoroethane)	**Flammability:** Not flammable
Particle Characteristics: Not applicable	

10. Stability and Reactivity

Reactivity: Not normally reactive
Chemical Stability: Stable under normal storage and handling conditions
Possibility of Hazardous Reactions: Forms toxic chemicals on contact with strong oxidizing agents, strong bases, and strong acids. Will evolve methyl ethyl ketoxime (MEKO) when exposed to water or humid air.
Conditions to Avoid: Keep away from excessive heat, and open flames. Containers may rupture at temperatures > 120°F (48.8°C).
Incompatible Materials: Strong oxidizing agents, strong bases, and strong acids.
Hazardous Decomposition Products: Burning may produce very toxic, flammable formaldehyde; silicon oxides; carbon oxides.

11. Toxicological Information

Potential Health Effects:

Acute Hazards:

Inhalation: Vapors can irritate the throat and respiratory tract.

Skin Contact: Contains Vinyl Oximino Silane, Methyl Oximino Silane, and N-beta-(aminoethyl)-gamma-aminopropyl trimethoxysilane which may cause an allergic skin reaction.

Eye Contact: Direct contact causes eye irritation with redness, pain, and tearing.

Ingestion: Swallowing may cause gastrointestinal disturbances.

Chronic Effects: Contains Vinyl Oximino Silane, and Methyl Oximino Silane which may cause damage to the blood, cardiovascular, and hematological system; distillates (petroleum), straight-run middle which may damage the liver, spleen and bone marrow; and N-beta-(aminoethyl)-gamma-aminopropyl trimethoxysilane which may cause damage to the respiratory system through prolonged or repeated exposure.

Carcinogenicity Listing: None of the components listed is a carcinogen or potential carcinogen by IARC, NTP, ACGIH or OSHA

Numerical Measures of Toxicity:

Product ATE:	LD50 Oral > 2,000 mg/kg. LD50 Dermal > 2,000 mg/kg LC50 Inhalation >5 mg/L
1,1-Difluoroethane:	LC50 Inhalation Rat: 437,500ppm/4h
Distillates (petroleum), straight-run middle:	
	LD50 Oral Rat > 5,000 mg/kg LD50 Oral Rabbit > 2,000 mg/kg LC50 Inhalation Rat: >2.53 mg/L/4 hr.
Vinyl Oximino Silane:	LD50 Oral Rat > 2,000 mg/kg

LD50 Dermal Rat > 2,009 mg/kg
Methyl Oximino Silane: LD50 Oral Rat 2,643 mg/kg
LD50 Dermal Rat > 2,000 mg/kg
N-beta-(aminoethyl)-gamma aminopropyltrimethoxysilane:
LD50 Oral Rat 1,897 mg/kg
LD50 Dermal Rabbit > 2,000 mg/kg
LC50 Inhalation Rat: >1.49 - < 2.44 mg/L/4 hr.

12. Ecological Information

Ecotoxicity:
1,1-Difluoroethane: LC50 Fish 719.61 mg/L/ 96hr (Calculated)
Distillates (petroleum), straight-run middle:
LC50 Fish 1.3 mg/L/ 96hr (Calculated)
Methyl Oximino Silane: LC50 Oncorhynchus mykiss (rainbow trout) > 120 mg/L/ 96hr
LC50 Daphnia magna (water flea) >120 mg/L/ 48hr
N-beta-(aminoethyl)-gamma aminopropyltrimethoxysilane:
LC50 Brachydanio rerio (zebrafish) 597 mg/L/ 96hr
LC50 Daphnia magna (water flea) 81 mg/L/ 48hr

Persistence and Degradability: No data available for product.

Bio accumulative Potential: No data available for product.

Mobility in Soil: No data available for product.

Other Adverse Effects: No data available

13. Disposal Considerations

Dispose of in accordance with all local, state/provincial, and federal regulations. Offer empty containers for recycling.

14. Transport Information

DOT Hazardous Materials Description: UN1950, Aerosols, 2.2 LTD QTY

IMDG Dangerous Goods Description: UN1950, Aerosols 2.2 LTD QTY

15. Regulatory Information

United States:

EPA TSCA INVENTORY: All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA Section 103: This product has no RQ, however, oil spills must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state, and local regulations.

SARA Hazard Category (311/312): Classified under OSHA Hazcom 2012 GHS as per Section 2 of this SDS.

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372): None

California Proposition 65: This product does not contain substances known to the state of California to cause cancer and/or reproductive toxicity.

16. Other Information

REVISION DATE:	07/19/2024
REVISION SUMMARY:	General review and update: Updated to OSHA HCS 2024. Changes to Sections 2, 4, 9, 11 & 15.
DATE OF PREVIOUS REVISION:	05/26/2021

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