

SAFETY DATA SHEET

Hi-torque Aerosol

1. Product And Company Identification

GHS product identifier: Hi-torque Aerosol
Other means of identification: Not available.

Relevant identified uses of the substance or mixture and uses advised against:
 Fast cure silicone RTV

Supplier's details: Adaseal International Inc.
 5468 Hwy 70 W
 Waverly, TN. 37185
 Phone: 931-296-2291
 Toll Free: 800-521-2521
 Fax: 931-296-5239
 E-Mail: adaseal2@adaseal.com

Emergency telephone number: CHEMTREC, **24 hours/day, 7 days/week**
 U.S.: 1-800-424-9300
 International: +1-703-527-3887

SDS Date of Preparation: 08/06/2018

2. Hazards Identification

GHS Classification:

Physical:	Health:
Gases Under Pressure: Compressed Gas	Eye Damage Category 1 Skin Irritation Category 2 Skin Sensitization Category 1 Specific Target Organ Toxicity – Repeat Exposure Category 2 (oral)

GHS Label Elements:



Danger!

Statements of Hazard	Precautionary phrases
Contains gas under pressure; may explode if heated. Causes serious eye damage. Causes skin irritation. May cause an allergic skin reaction May cause damage to blood through prolonged or repeated ingestion.	<p style="text-align: center;">Prevention</p> 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.

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Precautionary phrases continued Response IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. Get medical attention if you feel unwell.	Storage Protect from sunlight. Store in a well-ventilated place. Disposal Dispose of contents and container in accordance with local and national regulations.
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3. Composition/Information on Ingredients

Component	CAS No.	Amount
1,1-Difluoroethane	75-37-6	<1%
Calcium carbonate	471-34-1	15-35%
Vinyl Oximino Silane	2224-33-1	1-5%
Carbon black*	1333-86-4	0-4%
Aminosilane	919-30-2	0-2%

* The carbon black in this product is inextricably bound and no exposure will occur with normal use.

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 15 minutes. If skin irritation or rash develops, seek medical attention.

Eye Contact: Rinse cautiously with water for 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical 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 severe eye irritation with possible damage. Causes skin irritation. May cause an allergic skin reaction in some individuals. Vapors may cause mild respiratory irritation. Repeated or prolonged ingestion may cause damage to the blood, cardiovascular, and hematological system.

Indication of Immediate Medical Attention/Special Treatment: Immediate medical attention is required for direct eye contact.

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

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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 material 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: Prevent contact with eyes. Avoid contact with skin and clothing. 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: Store in a cool, 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
Calcium carbonate	15 mg/m ³ TWA OSHA PEL (Total Dust) 5 mg/m ³ TWA OSHA PEL (Respirable)
Vinyl Oximino Silane	None established
Carbon black*	3 mg/m ³ TWA ACGIH TLV (Inhalable) 3.5 mg/m ³ TWA OSHA PEL
Aminosilane	None established

* The carbon black in this product is inextricably bound and no exposure will occur with normal use.

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: Wear safety glasses if eye contact is possible.

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

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9. Physical and Chemical Properties

Appearance and Odor: Thick paste under pressure with a mild odor.

Physical State: Thick paste under pressure	Odor Threshold: Not determined
pH: Not applicable	Specific Gravity: 1.45 (Liquid component)
Initial Boiling Point/Range: Not determined	Vapor Pressure: Not determined
Melting/Freezing Point: Not determined	Vapor Density: (Air = 1) Not determined
Solubility In Water: Insoluble	Percent Volatile: Not determined
Viscosity: Not determined	Evaporation Rate: (n-butyl acetate = 1.0): <1
Decomposition Temperature: Not available	VOC Content: Not determined
Coefficient Of Water/Oil Distribution: Not determined	Autoignition Temp: Not determined
Flash Point: Not determined	Flame extension: Not determined
Flammability Limits: LEL: 3.7% (1,1-Difluoroethane) UEL: 18% (1,1-Difluoroethane)	Flammability (solid, gas): 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.

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: Vinyl Oximino Silane and Aminosilane which may cause an allergic skin reaction.

Eye Contact: Direct contact causes severe eye irritation with redness, pain, and possible damage.

Ingestion: Swallowing may cause gastrointestinal disturbances.

Chronic Effects: Contains Vinyl Oximino Silane which may cause damage to the blood, cardiovascular, and hematological system through prolonged or repeated ingestion.

Carcinogenicity Listing: Carbon black is classified as IARC 2B: Possibly Carcinogenic to Humans. However, the carbon black in this product is inextricably bound and no exposure will occur with normal use. None of the other components listed is a carcinogen or potential carcinogen by IARC, NTP, ACGIH or OSHA

Numerical Measures of Toxicity:

1,1-Difluoroethane:
Calcium carbonate:

LC50 Inhalation Rat: 437,500ppm/4h
LD50 Oral Rat > 6,450 mg/kg

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Vinyl Oximino Silane:	LD50 Oral Rat > 2,000 mg/kg
	LD50 Dermal Rat > 2,009 mg/kg
Carbon black:	LC50 Inhalation Rat: 6,750 mg/L/4 hr.
Aminosilane:	LD50 Oral Rat 2.83 ml/kg
	LD50 Dermal Rabbit 4.29 ml/kg

12. Ecological Information

Ecotoxicity:

1,1-Difluoroethane:	LC50 Fish 719.61 mg/L/ 96hr (Calculated)
Carbon black:	LC50 Fish >1,000 mg/L/ 96hr (Calculated)
	LC50 Daphnia magna (water flea) >5600 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 contains carbon black, which is known to the State of California to cause cancer. However, the carbon black in this product is inextricably bound and no exposure will occur with normal use. Therefore a California Proposition 65 warning is not required.

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16. Other Information

REVISION DATE: 08/06/2018

REVISION SUMMARY: New SDS

DATE OF PREVIOUS REVISION: N/A

DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH

Notice to reader:

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 or 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.