



SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®

5250-A Naiman Parkway, Solon, OH 44139 • 888-567-2206 • www.chromate.com

**FOR CHEMICAL
EMERGENCY**

Call ChemTrec day/night:
1-800-424-9300

1. IDENTIFICATION

PRODUCT NAME: R.T.V. Gasket Maker and Sealer - Clear

DATE PREPARED: July 15, 2015

PART NUMBER: 74133

MANUFACTURER: CHROMATE INDUSTRIAL CORPORATION
5250-A Naiman Parkway, Solon, OH 44139 • www.chromate.com

OTHER MEANS OF IDENTIFICATION: Not available.

EMERGENCY TELEPHONE NUMBER OF THE COMPANY: (888) 567-2206

**RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR
MIXTURE AND USES ADVISED AGAINST:** Silicone sealant

PRODUCT INFORMATION TELEPHONE NUMBER: (888) 567-2206

REGULATORY INFORMATION TELEPHONE NUMBER: (888) 567-2206

TRANSPORTATION EMERGENCY TELEPHONE NUMBER: (800) 424-9300

NATIONAL POISON CENTER: (800) 222-1222

2. HAZARDS IDENTIFICATION

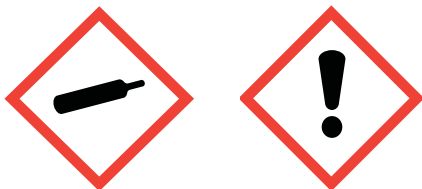
For this product, the ignition distance test and the flammability test do not apply. Therefore, the final product is non-flammable.

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the
substance or mixture:** GASES UNDER PRESSURE - Liquefied gas
SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

GHS label elements:

Hazard pictograms:



Signal word: Warning

Hazard statements: Contains gas under pressure; may explode if heated.
Causes serious eye irritation.
Causes skin irritation.

Precautionary statements

General: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention: Wear protective gloves. Wear eye or face protection. Wash hands thoroughly after handling.

Response: IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. 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.

Storage: Protect from sunlight. Store in a well-ventilated place.

Disposal: Not applicable.

Hazards not otherwise classified: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/mixture: Mixture.

Other means of identification: Not available.

CAS number/other identifiers:

CAS number: Not applicable.

Product code: Not available.

Ingredient name	%	CAS number	Pure Substance Classification
Triacetoxymethylsilane	1 - 5	17689-77-9	ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION/IRRITATION - Category 1B SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Methylsilanetriyl triacetate	1 - 5	4253-34-3	ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION/IRRITATION - Category 1C SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
1,1-Difluoroethane	1 - 5	75-37-6	FLAMMABLE GASES - Category 1 GASES UNDER PRESSURE - Liquefied gas

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

4 FIRST-AID MEASURES

Description of necessary first aid measures:

Eye contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact:	Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion:	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

4 FIRST-AID MEASURES CONTINUED

Most important symptoms/effects, acute and delayed:

Eye contact: Causes serious eye irritation.

Inhalation: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Skin contact: Causes skin irritation.

Ingestion: Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms:

Eye contact: Adverse symptoms may include the following: pain or irritation, watering, redness.

Inhalation: No known significant effects or critical hazards.

Skin contact: Adverse symptoms may include the following: pain or irritation, redness.

Ingestion: No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary:

Notes to physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments: No specific treatment.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing air to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media: None known.

Specific hazards arising from the chemical: No specific fire or explosion hazard.

Hazardous thermal decomposition products: Decomposition products may include the following materials: carbon dioxide, carbon monoxide, halogenated compounds, carbonyl halides, metal oxide/oxides.

Special protective actions for fire-fighters: No special precaution is required.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up:

Small spill: Move containers from spill area. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill: Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Do not dry sweep. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. HANDLING AND STORAGE

Precautions for safe handling:

Protective measures: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Protect from sunlight. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

Occupational exposure limits:

United States: None.

Mexico

Ingredient name
Silicon dioxide

Exposure limits

NOM-010-STPS (Mexico, 9/2000).

LMPE-PPT: 3 mg/m³ 8 hours. Form: breathable particulates

LMPE-PPT: 10 mg/m³ 8 hours. Form: inhalable particulates

Appropriate engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION CONTINUED

Individual protection measures:

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eyeface protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or gases. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time of breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state:	Solid. (Paste.)
Color:	Depends on specific color ordered.
Odor:	Acetic acid odor.
Odor threshold:	Not available.
pH:	Not available.
Melting point:	Not available.
Boiling point:	Not available.
Flash point:	Closed cup: >100°C (>212°F)
Burning time:	Not available.
Burning rate:	Not available.
Evaporation rate:	Not available.
Flammability (solid, gas):	Not available.
Lower and upper explosive (flammable) limits:	Not available.
Vapor pressure:	Not available.
Vapor density:	Not available.
Relative density:	1.007
Solubility:	Not available.
Solubility in water:	Not available.
Partition coefficient: n-octanol/water:	There is no data available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
SADT:	Not available.
Viscosity:	Not available.

10. STABILITY AND REACTIVITY

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: This product is stable.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: No specific data.

Incompatible materials: Reactive or incompatible with the following materials: oxidizing materials.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

Product/ingredient name	Result	Species	Dose	Exposure
Methylsilanetriyl triacetate	LD50 Oral	Rat	2060 mg/kg	-

Irritation/corrosion:

Product/ingredient name	Result	Species	Score	Exposure	Observation
Silica	Eyes - mild irritant	Rabbit	-	24 hours 25 mg	-

Sensitization: There is no data available.

Mutagenicity: There is no data available.

Carcinogenicity: There is no data available.

Reproductive toxicity: There is no data available.

Teratogenicity: There is no data available.

Specific target organ toxicity (single exposure): There is no data available.

Specific target organ toxicity (repeated exposure): There is no data available.

Aspiration hazard: There is no data available.

Information on the likely routes of exposure: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects:

Eye contact: Causes serious eye irritation.

Inhalation: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Skin contact: Causes skin irritation.

Ingestion: Irritating to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics:

Eye contact: Adverse symptoms may include the following: pain or irritation, watering, redness.

Inhalation: No known significant effects or critical hazards.

Skin contact: Adverse symptoms may include the following: irritation, redness.

Ingestion: No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Short term exposure:

Potential immediate effects: No known significant effects or critical hazards.

Potential delayed effects: No known significant effects or critical hazards.

Long term exposure:

Potential immediate effects: No known significant effects or critical hazards.

Potential delayed effects: No known significant effects or critical hazards.

11. TOXICOLOGICAL INFORMATION CONTINUED

Potential chronic health effects:

- General:** No significant effects or critical hazards.
- Carcinogenicity:** No significant effects or critical hazards.
- Mutagenicity:** No significant effects or critical hazards.
- Teratogenicity:** No significant effects or critical hazards.
- Developmental effects:** No significant effects or critical hazards.
- Fertility effects:** No significant effects or critical hazards.

Numerical measures of toxicity:

- Acute toxicity estimates:** There is no data available.

12. ECOLOGICAL INFORMATION

Toxicity: There is no data available.

Persistence and degradability: There is no data available.

Bioaccumulative potential: There is no data available.

Mobility in soil:




Soil/water partition coefficient (K_{oc}): There is no data available.

Other adverse effects: No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

Disposal instructions: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION

	DOT Classification	IMDG	IATA
UN Number	UN1950	UN1950	UN1950
UN proper shipping name	Aerosols, flammable (each not exceeding 1 L capacity) (1,1-Difluoroethane)	Aerosols, flammable (each not exceeding 1 L capacity) (1,1-Difluoroethane)	Aerosols, flammable (each not exceeding 1 L capacity) (1,1-Difluoroethane)
Transport hazard class(es)	2.1 	2.1 	2.1 
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Additional information	Remarks: Limited quantity exemption.	Remarks: Limited quantity exemption.	Remarks: Limited quantity exemption.

AERG: 126

Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not available.

15. REGULATORY INFORMATION

U.S. Federal regulations: United States inventory (TSCA 8b): All components are listed or exempted.

Clean Air Act (CAA) 112 regulated flammable substances: 1,1-Difluoroethane

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Not listed.

Clean Air Act Section 602 Class I Substances: Not listed.

Clean Air Act Section 602 Class II Substances: Not listed.

DEA List I Chemicals (Precursor Chemicals): Not listed.

DEA List II Chemicals (Essential Chemicals): Not listed.

SARA 302/304:

Composition/information on ingredients: No products were found.

SARA 304 RQ: Not applicable.

SARA 311/312:

Classification: Sudden release of pressure. Immediate (acute) health hazard.

Composition/information on ingredients:

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Triacetoxymethylsilane	1 - 5	No.	No.	No.	Yes.	No.
Methylsilanetriyl triacetate	1 - 5	No.	No.	No.	Yes.	No.

15. REGULATORY INFORMATION CONTINUED

State regulations:

Massachusetts: The following components are listed: Silicon dioxide; 1,1-Difluoroethane.

New York: None of the components are listed.

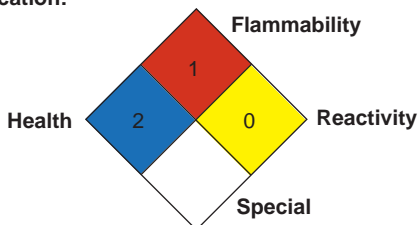
New Jersey: The following components are listed: 1,1-Difluoroethane

Pennsylvania: The following components are listed: Silicon dioxide.

California Prop. 65: No products were found.

Mexico

Classification:



International regulations:

International lists: **Australia inventory (AICS):** All components are listed or exempted.

China inventory (IECSC): All components are listed or exempted.

Japan inventory: Not determined.

Korea inventory: All components are listed or exempted.

Malaysia inventory (EHS Register): Not determined.

New Zealand Inventory of chemicals (NZIoC): All components are listed or exempted.

Philippines inventory (PICCS): All components are listed or exempted.

Taiwan inventory (CSNN): Not determined.

Chemical weapons convention list schedule I chemicals: Not listed.

Chemical weapons convention list schedule II chemicals: Not listed.

Chemical weapons convention list schedule III chemicals: Not listed.

16. OTHER INFORMATION

Key to abbreviations:

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

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