

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name TERAND RTV SILICONE

Other means of identification

Product Code TB-51120000-00 Aluminum, TB-51140000-00 Clear, TB-51150000-00 White, TB-51160000-00 Black, TB-51170000-00 Red, TB-51180000-00 Blue, TB-51230000-00 Almond

Details of the supplier of the safety data sheet

Company Name CHEM-MASTER ACQUISITIONS, LLC
PO Box 220908
St. Louis, MO 63122
800-592-5080

Emergency telephone number

Emergency Telephone CHEMTEL 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification**OSHA REGULATORY STATUS**

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

GASES UNDER PRESSURE	Liquefied gas
SKIN CORROSION/IRRITATION	Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION	Category 2

Label elements**Emergency Overview****WARNING****Hazard statements**

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



Appearance: Paste (Color depends on specific color ordered.)

Physical state: Solid. [Paste.]

Odor: Acetic acid.

**Precautionary Statements - Prevention**

Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand. Wear protective gloves. Wear eye or face protection. Wash hands thoroughly after handling.

Precautionary Statements - 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.

Precautionary Statements - Storage

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

Precautionary Statements - Disposal

Not applicable.

Hazards not otherwise classified (HNOC)

None Known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Mixture

Other means of identification: Silicone sealant in 10.3 oz caulking tube.

CHEMICAL NAME	CAS NO.	WEIGHT - %	PURE SUBSTANCE CLASSIFICATION	TRADE SECRET
Triacetoxyethylsilane	17689-77-9	1 - 5	ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION/IRRITATION - Category 1B SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1	*
Methylsilanetriyl triacetate	4253-34-3	1-5	ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION/IRRITATION - Category 1C SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1	*
1,1-Difluoroethane	75-37-6	1-5	FLAMMABLE GASES - Category 1 GASES UNDER PRESSURE - Liquefied gas	*

***The exact percentage (concentration) of composition has been withheld as a trade secret.**

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

First aid measures**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.

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.

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.

Most important symptoms and effect, both acute and delayed**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.

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: irritation, redness.
Ingestion	No known significant effects or critical hazards.

Indication of any immediate medical attention and special treatment needed

Note to physicians	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 aid to give mouth-to-mouth resuscitation.

5. FIRE-FIGHTING MEASURES

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

Protective equipment and precautions for firefighters

No special measures are required. 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

Personal precautions	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 nonemergency personnel".

Environmental precautions

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).
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Methods and material 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****Advice on safe handling**

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. 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**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

CHEMICAL NAME	EXPOSURE LIMITS
Silicon dioxide	NOM-010-STPS (Mexico, 9/2000). LMPE-PPT: 3 mg/m ³ 8 hours. Form: breathable particulates LMPE-PPT: 10 mg/m ³ 8 hours. Form: inhalable particulates

Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Engineering Controls

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

Individual protection measures, such as personal protective equipment**Eye/face protection**

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

Skin and body 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 to 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.

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.

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.

General Hygiene

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Solid. [Paste.]
Appearance	Solid. [Paste.]
Color	Depends on specific color ordered.
Odor	Acetic acid.
Odor threshold	N/A

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	N/A	
Melting point	N/A	
Boiling point	N/A	
Flash point	Closed cup: >100°C (>212°F)	
Burning time	N/A	
Burning rate	N/A	
Evaporation rate	N/A	
Flammability (solid, gas)	N/A	
Lower and upper explosive (flammable) limits	N/A	
Vapor pressure	N/A	
Vapor density	N/A	
Relative density	1.007	
Solubility	N/A	
Solubility in water	N/A	
Partition coefficient: octanol/ water	N/A	
Auto-ignition temperature	N/A	
Decomposition temperature	N/A	
SADT	N/A	
Viscosity	N/A	

10. STABILITY AND REACTIVITY

Reactivity

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

Chemical stability

The 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 likely routes of exposure****Potential acute health effects**

Dermal contact. Eye contact. Inhalation. Ingestion.

Inhalation

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

Eye contact

Causes serious eye irritation.

Skin Contact

Causes skin irritation.

Ingestion

Irritating to mouth, throat and stomach.

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Methylsilanetriyl triacetate	2060 mg/kg Rat	-	-
Silica	-	24 hours 25 mg Rabbit	-

Symptoms related to the physical, chemical and toxicological characteristics**Inhalation**

No known significant effects or critical hazards.

Eye contact

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

Skin Contact

Adverse symptoms may include the following: irritation, redness.

Ingestion

No known significant effects or critical hazards.

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Sensitization**

There is no data available.

Germ cell mutagenicity

There is no data available.

Carcinogenicity

There is no data available.

Reproductive toxicity

There is no data available.

STOT - single exposure

There is no data available.

STOT - repeated exposure

There is no data available.

Teratogenicity

There is no data available.

Irritation/Corrosion

There is no data available.

Target organ effects

There is no data available.

Aspiration hazard

There is no data available.

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.

Bioaccumulation

There is no data available.

Mobility in soil

Soil/water partition coefficient (KOC)

There is no data available.

Other adverse effects

No known significant effects or critical hazards.




13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes

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	UN/ID No.	UN1950
	Proper shipping name	Aerosols, flammable (each not exceeding 1 L capacity) (1, 1-Difluoroethane)
	Hazard Class	2.1 
	Packing Group	-
	Environmental Hazards	No.
	Additional Information	Remarks: Limited Quantity Exemption
IMDG	UN/ID No.	UN1950
	Proper shipping name	Aerosols, flammable (each not exceeding 1 L capacity) (1, 1-Difluoroethane)
	Hazard Class	2.1 
	Packing Group	-
	Environmental Hazards	No.
	Additional Information	Remarks: Limited Quantity Exemption
IATA	UN/ID No.	UN1950
	Proper shipping name	Aerosols, flammable (each not exceeding 1 L capacity) (1, 1-Difluoroethane)
	Hazard Class	2.1 
	Packing Group	-
	Environmental Hazards	No.
	Additional Information	Remarks: Limited Quantity Exemption

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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

International Inventories

TSCA All components are listed or exempted.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

US Federal Regulations**SARA 313**

No products were found.

SARA 311/312 Hazard Categories

Acute health hazard	Yes.
Chronic Health Hazard	No.
Fire hazard	No.
Sudden release of pressure hazard	Yes.
Reactive Hazard	No.

Clean Air Act (CAA) 112 regulated flammable substances

1,1-Difluoroethane

US State Regulations**California Proposition 65**

No products were found.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	New York
Silicon dioxide		x	x	
1,1-Difluoroethane	x	x		

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.

16. OTHER INFORMATION

Issue Date 05/30/2014
Revision Date 09/30/2014
Revision Note Revised Section(s) : 2, 3, 14, 16.

N/A = Not Applicable; N/D = Not Determined

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labeling 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

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet