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SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION (N/A)

Product Name: **Trempro 644 RTV Aluminum 3"-12 CTG CS**
 Manufacturer Name: Tremco, Inc.
 Address: 3735 Green Road
 Cleveland, OH 44122

 Emergency Phone:
 (216) 765-6727 8:30 - 5:00 EST
 After Hours: Chemtrec 1-800-424-9300

HMIS

HEALTH	2
FIRE	1
REACTIVITY	1
PPE	

General Use: Product use: Sealant
 Business Phone: (216) 292-5000
 Hours Of Operation: 8:30 - 5:00 EST
 Revision Date: 09/01/2006

 Trade Names: Version: 1.2
 TREMPRO 644 RTV ALUMINUM 3"-12 CTG CS
 HMIS Rating:
 0 = Minimum
 1 = Slight
 2 = Moderate
 3 = Serious
 4 = Severe

 Product Codes: 644510 312

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SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS : (N/A)

Ingredient Name	CAS#	Ingredient Percent
Polydimethylsiloxane EC Index Number: 1 CAS-No.: NJ TSRN# 51721300-5416P		> 60.0% by Weight
Acetoxysilane EC Index Number: 1 CAS-No.: NJ TSRN# 51721300-5346P		5.0 - 10.0% by Weight
Ethyltriacetoxysilane EC Index Number: 1	17689-77-9	5.0 - 10.0% by Weight
Acetic acid EC Index Number: 1	64-19-7	5.0 - 10.0% by Weight

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SECTION 3 : HAZARDS IDENTIFICATION

: (N/A)

Emergency Overview:	May cause moderate irritation to the respiratory system. May cause nausea, headaches, and dizziness. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
Physical State:	Non-sag gunnable paste.
Color:	Silver.
<u>Applies to All Ingredients :</u>	
Route of Exposure:	Inhalation, Eyes, Ingestion, Skin
Potential Health Effects:	
Eye Contact:	Acute: Direct contact may cause severe irritation.
Skin Contact:	Acute: May cause moderate irritation.
Inhalation:	Acute: May cause moderate irritation to the respiratory system. May cause nausea, headaches, and dizziness.
Ingestion:	Acute: May cause irritation to the mouth, throat and stomach. May cause tooth erosion and slight irritation.
Chronic Health Effects:	As a by product of curing, acetic acid is produced. Acetic acid is a severe eye, skin and mucus membrane irritant and may cause burns with repeated or prolonged contact. Chronic exposure can cause bronchitis and pharyngeal edema. Acetic acid may cause tooth erosion from tooling. As a by product of curing, acetic acid is produced. Acetic acid is a severe eye, skin and mucus membrane irritant and may cause burns with repeated or prolonged contact. Chronic exposure can cause bronchitis and pharyngeal edema. Acetic acid may cause tooth erosion from tooling. Organosilane may cause liver injury with fibrosis after repeated and prolonged overexposure. Fillers are encapsulated and not expected to be released from product under normal conditions of use.
Target Organs:	Skin, Eye, Ingestion
Aggravation of Pre-Existing Conditions:	Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

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SECTION 4 : FIRST AID MEASURES

: (N/A)

Eye Contact:	Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.
Skin Contact:	Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
Inhalation:	Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
Ingestion:	Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately. Get immediate medical attention for any significant overexposure.

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SECTION 5 : FIRE FIGHTING MEASURES

: (N/A)

Fire:	Fire and explosion conditions: This product not expected to ignite under normal conditions of use.
Flash Point:	Not available.
Flash Point Method:	Not available.
Upper Flammable or Explosive Limit:	Not available.
Lower Flammable or Explosive Limit:	Not available.
Auto Ignition Temperature:	Not available.
Extinguishing Media:	If water fog is ineffective, use carbon dioxide, dry chemical or foam.
Hazardous Combustion Byproducts:	Smoke, fumes. Carbon monoxide and carbon dioxide can form.
Protective Equipment:	Protective equipment for firefighters: Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus

(SCBA).

[To Top of page](#)**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

: (N/A)

Spill Cleanup Measures: Use appropriate protective equipment. Avoid contact with material. Stop flow. Contain spill. Keep out of watercourses. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal.

[To Top of page](#)**SECTION 7 : HANDLING and STORAGE**

: (N/A)

Handling: Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers.

Storage: Store in sealed containers in a cool, dry, ventilated warehouse location.

[To Top of page](#)**SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION**

: (N/A)

Engineering Controls: Use general ventilation and/or local exhaust to reduce the airborne contaminant concentration below the exposure limit listed in the MSDS

Personal Protective Equipment Routine Handling: Protective measures: Use professional judgment in the selection, care, and use.

Hand Protection Description: Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.

Eye/Face Protection: Use safety glasses if eye contact is likely.

Respiratory Protection: Wear NIOSH/MSHA approved vapor respirator with appropriate cartridge when the vapor concentration is expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.

Ingredient GuidelinesIngredient: Acetic acid

Guideline Type:	OSHA PEL-TWA
Guideline Information:	25 mg/m ³
Guideline Type:	ACGIH TLV-TWA
Guideline Information:	10 ppm
Guideline Type:	ACGIH TLV-STEL
Guideline Information:	15 ppm

[To Top of page](#)**SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES**

: (N/A)

Physical State/Appearance:	Form: Non-sag gunnable paste
Color:	Silver
Odor:	Acetic acid
pH:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Heavier than air
Boiling Point:	Not available.
Freezing Point:	Not available.
Melting Point:	Not available.
Solubility:	Water: Negligible 1.04

Specific Gravity:
 Percent Volatile: Weight: 6 %
 Volatile Organic Compound VOC Method 310: 6 %
 Content:
 VOC Less H2O & Exempt Solvents: Regulatory VOC (less water and exempt solvent): 72 g/l

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SECTION 10 : STABILITY and REACTIVITY : (N/A)

Chemical Stability: Stable
 Incompatibilities with Other Materials: Substances to avoid: Water, alcohols, strong oxidizing agents, strong acids and strong bases. Amines.
 Hazardous Polymerization: Will not occur.
 Hazardous Decomposition Products: Hydrolyzes slowly with water or moisture to form acetic acid.

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SECTION 11 : TOXICOLOGICAL INFORMATION : (N/A)

Acetic acid :

Ingestion Effects: Acute oral toxicity (LD-50 oral): 3,530 mg/kg (Rat)
 Inhalation Effects: Acute inhalation toxicity (LC-50): 5,000 mg/l (Mouse)

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SECTION 12 : ECOLOGICAL INFORMATION : (N/A)

Ecological Paragraph: No Data Available

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SECTION 13 : DISPOSAL CONSIDERATIONS : (N/A)

Waste Disposal: Waste not regulated under RCRA. Incinerate at EPA approved facility or dispose of waste in compliance with state and local regulations.

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SECTION 14 : TRANSPORT INFORMATION : (N/A)

DOT Shipping Information: NOT REGULATED
 Canadian TDG: NOT REGULATED

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SECTION 15 : REGULATORY INFORMATION : (N/A)

Applies to All Ingredients :

TSCA 8(b): Inventory Status: North American Inventories:
 All components are listed or exempt from the TSCA inventory.
 Section 312 Hazard Category: SARA 311/312 Hazards:
 Acute: Yes
 Section 313 Toxic Release Form: None present or none present in regulated quantities.
 OSHA 29 CFR 1200: OSHA Status:
 Considered hazardous based on the following criteria: Irritant
 OSHA Flammability: Not Regulated

State: Chemicals known to the State of California to cause cancer birth defects and/or other reproductive harm:
None known.

Canada WHMIS: North American Inventories:
This product or its components are listed on, or exempt from the Canadian Domestic Substances List.
Regulatory VOC (less water and exempt solvent): 72 g/l
VOC Method 310: 6 %

Polydimethylsiloxane :

State: Penn RTK Components:
Chemical Name: Polydimethylsiloxane
CAS: NJ TSRN# 51721300-5416P

NJ RTK Components:
Chemical Name: Polydimethylsiloxane
CAS: NJ TSRN# 51721300-5416P

Acetic acid :

OSHA 29 CFR 1200: OSHA Hazardous Components:
Chemical Name: Acetic acid
CAS: 64-19-7

State: MASS RTK Components:
Chemical Name: Acetic acid
CAS: 64-19-7

Penn RTK Components:
Chemical Name: Acetic acid
CAS: 64-19-7

NJ RTK Components:
Chemical Name: Acetic acid
CAS: 64-19-7

Ethyltriacetoxysilane :

State: Penn RTK Components:
Chemical Name: Ethyltriacetoxysilane
CAS: 17689-77-9

NJ RTK Components:
Chemical Name: Ethyltriacetoxysilane
CAS: 17689-77-9

Acetoxysilane :

State: Penn RTK Components:
Chemical Name: Acetoxysilane
CAS: NJ TSRN# 51721300-5346P

NJ RTK Components:
Chemical Name: Acetoxysilane
CAS: NJ TSRN# 51721300-5346P

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: (N/A)

HMIS:

Health Hazard: 2 = Moderate
Fire Hazard: 1 = Slight
Reactivity: 1 = Slight
MSDS Revision Date: 09/01/2006

Version: 1.2

MSDS Author:

Prepared by: Rich Mikol

Legend:

ACGIH - American Conference of Governmental Hygienists
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
DOT - Department of Transportation
DSL - Domestic Substance List
EPA - Environmental Protection Agency

HMIS - Hazardous Materials Information System
IARC - International Agency for Research on Cancer
MSHA - Mine Safety Health Administration
NDSL - Non-Domestic Substance List
NIOSH - National Institute for Occupational Safety and Health
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration
PEL - Permissible Exposure Limit
RCRA - Resource Conservation and Recovery Act
RTK - Right To Know
SARA - Superfund Amendments and Reauthorization Act
STEL - Short Term Exposure Limit
TLV - Threshold Limit Value
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average
V - Volume
VOC - Volatile Organic Compound
WHMIS - Workplace Hazardous Materials Information System

HMIS Rating:
0 = Minimum
1 = Slight
2 = Moderate
3 = Serious
4 = Severe

Further information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

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