

Safety Data Sheet

Tri-Chem White Elastomeric Roof Cement

Revision date: 03/01/2015



Section 1 - Identification

Product Name as used on Label: Tri-Chem White Elastomeric Roof Cement

Recommended Use: White acrylic mastic used to repair roofs and seal metal roof fasteners prior to coating with white elastomeric roof coatings.

Uses advised against: For exterior use only. Do not use indoors.

Manufacturer/Supplier: Tri-Chem Corporation
431 Stephenson Hwy.
Troy, Michigan 48083

Telephone: (800) 456-6255
Emergency Telephone: 800-535-5053

SDS Prepared By:

Section 2 - Hazard(s) Identification

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910. 1200)

Carcinogenicity

Category 1A

Label elements

Emergency Overview

Danger

Hazard Statements

May cause cancer



Appearance Viscous

Physical State Liquid

Odor Low

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Precautionary Statements - Response

IF exposed or concerned: Seek medical advice/attention

Precautionary Statements - Storage

Store in a locked and secure area

Precautionary Statements - Disposal

Disposal should be in accordance with applicable local, regional, national, and international laws and regulations.

Other Information

Unknown acute toxicity

64.3874% of the mixture consists of ingredient(s) of unknown toxicity

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Section 3 - Composition/Information on Ingredients

Substance

Mixture

This product is a mixture.

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

Common Name Acrylic White Mastic
Synonyms None
Chemical Nature Aqueous solution

Substances	CAS Number	Percent	Trade Secret
Styrene Acrylic Polymer Emulsion	25036-16-2	30-40%	*
Water	7732-18-5	30-40%	*
Calcium Carbonate	1317-65-3	10-20%	*
Titanium Dioxide	13463-67-7	0-10 %	*
Amorphous Silica (Silicon Dioxide)	7631-86-9	0-10 %	*
Aluminum Hydroxide	21645-51-2	0-10 %	*
Quartz	14808-60-7	0-10 %	*

Section 4 - First-Aid Measures

Description of first aid Measures

General Advise: Under conditions of normal use, no hazards are anticipated which require special first aid measures.

Inhalation: Move affected person(s) to fresh air. If not breathing, breathing is difficult, or if no heartbeat, trained personnel should give artificial respiration and cardiopulmonary resuscitation (CPR) and/or administer oxygen as needed. Immediately call a physician.

Eyes Contact: Check for and remove any contact lenses. Flush eyes with large amounts of luke warm water for at least 15 minutes. Do not rub or scratch eyes. If symptoms or irritation occur, call a physician.

Ingestion: Not an expected route of exposure. If swallowed DO NOT induce vomiting and DO NOT give liquids. Rinse mouth with water to remove material from throat. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Immediately call a physician and seek medical attention.

Skin: Wash with soap and large amounts of luke warm water. Remove and isolate contaminated shoes and clothing. Wash clothing and clean shoes thoroughly before reuse. If symptoms or irritation occur, call a physician.

Most important symptoms and effects, both acute and delayed

Symptoms May cause skin irritation. May cause eye irritation.

Indication of any immediate medical attention and special treatment needed

Note to Physicians Treat symptomatically

Section 5 - Fire-Fighting Measures

Fire Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical. Carbon dioxide (CO₂). Sand. Use foam or water FOG as a last resort.
Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

Special Exposure Hazards: Thermal decomposition (burning) may release irritating, corrosive and/or toxic gases, vapors, and fumes.

Explosion data

Sensitivity to Mechanical Impact Not sensitive
Sensitivity to Static Discharge Not sensitive

Advice for Firefighters: Firefighting may result in potential exposure to high heat, smoke or toxic byproducts of combustion. A self-contained breathing apparatus (SCBA) with full-face piece and full protective firefighting clothing should be worn.

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Section 6 - Accidental Release Measures

Personal Precautionary Measures: Other Information	Use personal protective equipment. Extremely slippery when spilled.
Environmental Precautions:	Dike or contain spill with earth, dry sand, etc. to prevent product from entering sewers, drains, or waterways. Local authorities should be advised if significant spillages can not be contained. See Section 12 for additional ecological information.
Procedures for Containment/Cleanup:	Avoid contact with skin and eyes. If using dry clean-up procedures (i.e. dry sand), avoid creating dusts during clean up. Wear protective clothing, gloves, safety glasses and a dust respirator. If using liquid cleaners (i.e. mineral spirits or Citrus Cleaner) pump waste liquid into waste containers, soak up remaining material with absorbent material. Clean contaminated area thoroughly after product recovery, wash the spill area and prevent runoff into drains. Waste should be disposed of in accordance with State, Local, and Federal Regulations.

Section 7 - Handling and Storage

Handling Precautions:	Use only outdoors. Avoid prolonged breathing of vapors. Avoid prolonged skin contact. Do not swallow any material. Do not use near open flame, sources of heat, or ignition.
Storage Information:	Store in a cool, dry, well ventilated place away from excessive heat and open flame. Keep from freezing. Keep away from children. Keep container tightly closed. Avoid contact with strong acids and strong oxidizing agents. Keep area clean and free of hazardous material.

Section 8 - Exposure Controls/Personal Protection

Control Parameters

Exposure Guidelines No ACGIH or OSHA PEL is assigned to this mixture. Exposure limits for the component materials are shown below. This product, as supplied, is not believed to contain any hazardous material that exceeds exposure limits established by OSHA.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Calcium Carbonate 1317-65-3	-	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Titanium Dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 5000 mg/m ³
Amorphous Silica (Silicon Dioxide) 7631-86-9	-	(vacated) TWA: 6 mg/m ³ <1% Crystalline silica TWA: 20 mppcf : (80)/(%)SiO ₂ mg/m ³ TWA	IDLH: 3000 mg/m ³ TWA: 6 mg/m ³
Aluminum Hydroxide 21645-51-2	TWA: 1 mg/m ³ respirable fraction	-	-
Quartz 14808-60-7	TWA: 0.025 mg/m ³ respirable fraction	(vacated) TWA: 0.1 mg/m ³ respirable dust : (30)/(%)SiO ₂ +2 mg/m ³ TWA total dust : (250)/(%)SiO ₂ +5 mppcf TWA respirable fraction : (10)/(%)SiO ₂ +2 mg/m ³ TWA respirable fraction	IDLH: 50 mg/m ³ respirable dust TWA: 0.05 mg/m ³ respirable dust

Exposure Limits/Engineering Controls: Ventilation - Local Exhaust:	For outdoor use only, use in well ventilated area.
Personal Protective Equipment: Respiratory Protection:	No protective equipment is needed under normal use conditions.
Skin/Body Protection:	Wear protective gloves and protective clothing that is resistant to chemical penetration.
Eye Protection:	Chemical goggles, if spraying or splashing occurs.
Other Protective Clothing:	A protective apron if splashing or repeated contacted is likely to occur.
Hygiene measures:	Wash face, hands and any exposed skin thoroughly after handling. Wash hands before eating, drinking, or smoking. Promptly remove contaminated clothing and launder before reuse.

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Section 9 - Physical and Chemical Properties

Appearance:	Viscous
Physical State (solid/liquid/gas):	Liquid
Color:	White
Odor:	Low
Odor Threshold:	Negligible odor
Molecular Weight:	No Data Available
VOC Content (%):	Less than 50 g/l
Vapor Pressure:	2.33 (kPa) @ 20°C
Vapor Density:	5.3 Where: Air = 1 at 68°F (20°C)
Specific Gravity:	1.34
pH:	Not Applicable
Density:	11.0 to 11.4 lb/gal
Melting Point:	None
Freezing Point:	0°C (32°F)
Solubility in Water:	Dispersible
Solubility in Other Solvents:	Soluble in aromatic and aliphatic solvents
Initial Boiling Point:	> 100°C / 212°F
Flash Point:	Non Flammable
Evaporation Rate:	No Data Available - dependent on atmospheric conditions
Flammability (solid, gas):	Non Flammable

Section 10 - Stability and Reactivity

Reactivity:	Not Applicable
Chemical Stability:	The product is stable if stored and handled as prescribed.
Conditions to Avoid:	Sources of heat or ignition.
Polymerization:	Will not occur under normal process and handling conditions.
Incompatible Materials:	Avoid contact with strong oxidizers, strong acids, or strong bases.
Hazardous Decomposition Products:	Carbon Dioxide, Carbon Monoxide, and other asphyxiates.

Section 11 - Toxicological Information

Product Information: Toxicological testing has not been conducted for this product overall. Available toxicological data for individual ingredients are summarized below.

Primary Route of Exposure:	Eye or skin contact, ingestion, inhalation.
Eye Contact:	May cause eye irritation.
Skin Contact:	May cause mechanical skin irritation.
Ingestion:	May cause nausea and/or vomiting.
Inhalation:	May cause dizziness and/or headache.

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Amorphous Silica (Silicon Dioxide) 7631-86-9	-	Group 3	-	-
Quartz 14808-60-7	A2	Group 1	Known	X

Legend

- ACGIH (American Conference of Governmental Industrial Hygienists)
- A1 - Known Human Carcinogen
- A2 - Suspected Human Carcinogen
- A3 - Animal Carcinogen
- A4 - Not Classifiable as a Human Carcinogen
- IARC (International Agency for Research on Cancer)
- Group 1 - Carcinogenic to Humans
- Group 2A - Probably Carcinogenic to Humans
- Group 2B - Possibly Carcinogenic to Humans
- Group 3 - Not classified as a human Carcinogen
- NTP (National Toxicology Program)
- Known - Known Carcinogen
- Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
- OSHA (Occupational Safety and Health Administration of the US Department of Labor)
- X - Present

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Section 12 - Ecological Information

Eco-toxicity Effects:

The following table lists information related to aquatic toxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Diethylene glycol monobutyl ether 112-34-5	100:96 h Desmodismus subspicatus mg/L EC50	1300: 96 h Lepomis macrochirus mg/L LC50 static	2850: 24 h Daphnia magna mg/L EC50 100: 48 h Daphnia magna mg/L EC50

Persistence and Degradability: No information available

Bioaccumulation: No information available

Other adverse effects: No information available

Section 13 - Disposal Considerations

Waste Disposal of Substance: Dispose in accordance to Federal, State, and Local regulations.

Container Disposal: Empty containers or liners may retain product residues. Recommend crushing, puncturing or other means to prevent unauthorized use of containers.

Section 14 - Transport Information

This product is not a reportable quantity product regulated by the U.S. Department of Transportation (DOT). This material is not subject to regulation as a hazardous material for shipping.

DOT: Not regulated
TDG: Not regulated
MEX: Not regulated
ICAO (air): Not regulated
IATA: Not regulated
IMDG: Not regulated
RID: Not applicable in the United States
ADR: Not applicable in the United States
ADN: Not applicable in the United States

NFPA: Health 1; Flammability 0; Instability 0
HMIS: Health 1; Flammability 0; Physical Hazards 0

Section 15 - Regulatory Information

International Inventories

TSCA All of the components of this product are listed on the US TSCA (Toxic Substances Control Act) Inventory or are exempt.

DSL/NDSL All of the components of this product are listed on the DSL.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

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US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

US State Regulations

California Proposition 65:

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Titanium Dioxide - 13463-67-7	Carcinogen
Quartz - 14808-60-7	Carcinogen

US State Right-to-Know Regulations

This product contains the following substances regulated by various State Right-to-Know regulations.

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Calcium Carbonate 1317-65-3	X	X	X
Titanium Dioxide 13463-67-7	X	X	X
Amorphous Silica (Silicon Dioxide) 7631-86-9	X	X	X
Quartz 14808-60-7	X	X	X

US EPA Label Information

EPA Pesticide Registration Number Not applicable

Section 16 - Other Information

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty, or guarantee, expressed or implied, is made as to its accuracy, reliability, or completeness. It is the user's responsibility to be satisfied as to the suitability and completeness of such information for his particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license of valid patents.