



CTR TAPE

Section 1 Product and Company Identification

Product Name: CTR Tape
Supplier: CSNRI | 621 Lockhaven Drive. Houston, TX 77073 | +1 281.590.8491
Emergency Phone Number: 800.424.9300 (CHEMTREC)
 +1 703.741.5970 (Outside the US)
Product Description: Fiberglass cloth impregnated with water activated resin.
Product Use: Intended to repair pipes or for corrosion control.
Chemical Name or Synonym: N/A

Section 2 Hazards Identification

Classification of the substance or mixture

Acute Toxicity (inhalation) – Category 4
 Skin Irritation – Category 3
 Skin Sensitizer – Category 1B
 Eye Irritation – Category 2B
 Respiratory Sensitizer – Category 1
 Specific Target Organ Toxicity (Single Exposure) – Category 3

Label Elements:



Hazard Statements:

H316 Causes mild skin irritation.
 H317 May cause an allergic skin reaction.
 H320 Causes eye irritation.
 H332 Harmful if inhaled.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H335 May cause respiratory irritation.

Signal Word: Danger

Precautionary Statement:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352+P312 IF ON SKIN: Wash with plenty of water. Call a Poison Center/doctor if you feel unwell.
 P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
 P332+313 If skin irritation occurs: Get medical advice/attention.

Section 3 Composition/ Information on Ingredients

Chemical Name	CAS#	Weight %
Fiberglass Fabric	65997-17-3	50 - 60



CTR TAPE

4,4'-Diphenylmethane diisocyanate polypropylene glycol polymer	9048-57-1	30 - 40
Diphenylmethane diisocyanate homopolymer	39310-05-9	1 - 5
Sodium dodecyl sulfate	151-21-3	< 5
Dimorpholinodiethyl ether	6425-39-4	< 2
Poly(dimethylsiloxane)	63148-62-9	< 1
Butylated hydroxytoluene	128-37-0	< 0.5

Section 4 First Aid Measures

First Aid Measures for Accidental:

Inhalation: Move person to fresh air. If signs/symptoms develop, get 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. Give person two glasses of water. Get medical attention.

Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention.

Skin Exposure: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention.

Most important symptoms/effects, acute and delayed: No data available.

Indication of immediate medical attention and special treatment needed: No further relevant information available.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Dry chemical, carbon dioxide

Not Suitable Extinguishing Media: Do not use water.

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.

Unusual Fire and Explosion Hazards: None Determined

Hazardous Decomposition Materials (Under Fire Conditions): Nitrogen oxides, carbon dioxide, carbon monoxide.

Section 6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: No action shall be taken involving any personal risk or without suitable training. Keep people at a distance and stay upwind. Evacuate surrounding areas. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. (See Section 8)

Environmental Precautions: Do not allow to enter sewers/ surface or ground water.

Methods and Materials for Containment and Cleaning Up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.



Section 7 Handling and Storage

Precautions for safe handling: Store in tightly closed containers to prevent moisture contamination. Do not reseal if contamination is suspected. Avoid contact with skin and eyes. Do not breathe aerosols or vapors. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Ensure good ventilation/exhaustion at the workplace.

Conditions for safe storage including any incompatibilities: Store between the following temperatures: 15 to 30 °C. Store in accordance with local regulations. Store in a segregated and approved area. 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. Keep container tightly closed and sealed until ready for use.

Section 8 Exposure Controls / Personal Protection

Exposure Guidelines:

Component	ACGIH TLV	OSHA PEL
Diphenylmethane diisocyanate	0.005 ppm (TWA)	0.02 ppm ceiling (STEL)
Butylated hydroxytoluene	2 mg/m ³ (inhalable fraction and vapor)	10 mg/m ³
Fiberglass	5 mg/m ³ (inhalable)	5 mg/m ³ (respirable)

Appropriate Engineering Controls: Local exhaust should be used to maintain levels below the TLV whenever MDI is processed, heated or spray applied. Standard reference sources regarding industrial ventilation (i.e., ACGIH Industrial Ventilation) should be consulted for guidance about adequate ventilation.

Personal Protective Equipment:

Respiratory Protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Eye / Face Protection: Wear appropriate safety glasses with side shields or chemical goggles as described by OSHA's eye and face protection regulations in 29CFR 1910.133 or European Standard EN166.

Skin Protection: The glove material has to be impermeable and resistant to the product. Cover as much of the exposed area as possible, with protective clothing.

Section 9 Physical and Chemical Properties

Physical Appearance:	Liquid resin impregnated on fiberglass cloth	
Odor:	Slight Odor	
Odor Threshold:	Not available	
pH:	Not applicable	
Flash Point:	Not applicable	
Method Used:	Not applicable	
Flammability Limits (vol/vol%):	Lower: Not applicable	Upper: Not applicable
Melting Point Range:	Not available	
Boiling point:	Not applicable	
Density:	1.1 g/mL	
Evaporation Rate:	Not available	
Viscosity:	Not applicable	
Water Solubility:	Not available	
Vapor Pressure:	Not available	



Vapor Density:	Not applicable
Relative Density:	Not available
Auto-ignition Temperature:	Not available
Decomposition Temperature:	Not available
Volatile Organic Content:	Not available

Section 10 Stability and Reactivity

Reactivity: No data available

Hazardous Polymerization: Will not occur

Chemical Stability: Stable under normal conditions.

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

Conditions to Avoid: Water Additional Information: Product reacts with atmospheric moisture or water and may become unusable.

Incompatible Materials/Chemicals: Strong bases; Amines; Alcohols

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

Section 11 Toxicological Information

Numerical measures of toxicity: No specific data

Potential Acute Health Effects:

Acute Eye Irritation: Irritating effect.

Acute Skin Irritation: Irritant to skin and mucous membranes.

Sensitization: Sensitization possible through inhalation. Sensitization possible through skin contact.

Symptoms:

Eye Contact: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Inhalation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Skin Contact: Signs/symptoms may include localized redness, swelling, and itching.

Ingestion: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Chronic Health Effects: Contains material that can cause target organ damage. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Target organs: Contains material which causes damage to the following organs: respiratory tract irritation.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Medical conditions aggravated by over-exposure: Pre-existing skin disorders and disorders involving any other target organs mentioned in this SDS as being at risk may be aggravated by over-exposure to this product.

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

Short term exposure: No specific data.

Long term exposure: No specific data.

Section 12 Ecological Information

Ecotoxicity: No further relevant information available.

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.



Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Other adverse effects: No further relevant information available.

Section 13 Disposal Considerations

Waste treatment methods: Dispose of completely cured (or polymerized) wastes in a sanitary landfill.

As a disposal alternative, incinerate in an industrial or commercial facility in the presence of a combustible material.

Uncleaned packaging: Do not re-use empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur. Empty containers could retain product residues. Dispose of container and unused contents in accordance with federal, state, and local regulations.

Section 14 Transport Information

DOT / ADR / AND / IMDG / IATA

UN number:	Not regulated
UN proper shipping name:	N/A
Transport hazard class:	N/A
Packing group:	N/A
Environmental hazard:	No

Section 15 Regulatory Information

SARA Regulations:

SARA 311/312 Hazard Categories

- Fire Hazard - No
- Immediate (acute) health hazard - No
- Delayed (chronic) health hazard – No
- Pressure hazard – No
- Reactivity hazard - No

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

EPA Hazardous Waste Number (RCRA): Not regulated

Section 16 Other Information

Key Legend Information:

ACGIH – American Conference of Governmental Industrial Hygienists

OSHA – Occupational Safety and Health Administration

PEL – Permissible Exposure Limit

NIOSH – National Institute for Occupational Safety and Health

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SAFETY DATA SHEET

CTR TAPE

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