

Hal-Hen Cat. #224 Tubing Cement

SECTION 1. IDENTIFICATION

Product Identifier 12C8
Other Means of Identification Rez N Bond #8
Product Family Adhesives
Manufacturer/Supplier Identifier Schwartz Chemical Corporation, 777 McKay Road, Pickering, Ontario, L1W 3A3, 905-683 0411, www.schwartzchem.com
Emergency Phone No. CANUTEC, 1 (613) 996-6666

SECTION 2. HAZARD IDENTIFICATION

Classification

Acute toxicity (Oral) - Category 4; Skin irritation - Category 2; Eye irritation - Category 2B; Germ cell mutagenicity - Category 1B; Carcinogenicity - Category 2; Specific target organ toxicity (single exposure) - Category 3; Specific target organ toxicity (repeated exposure) - Category 2; Aspiration hazard - Category 1

Label Elements



Danger

Harmful if swallowed.

Causes skin irritation.

Causes eye irritation.

May cause respiratory irritation.

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

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Ground/bond container and receiving equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Methylene chloride	75-09-2	< 100		
Light aromatic solvent naphtha	64742-95-6	< 30		

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove victim to fresh air. Restore breathing. Treat symptomatically. Consult a physician.

Skin Contact

Wash affected areas with soap and water. Remove contaminated clothing.

Eye Contact

Flush immediately with large amounts of water for at least 15 minutes. Take to a physician for medical treatment.

Ingestion

Drink 1 or 2 glasses of water to dilute. DO NOT INDUCE VOMITING. Consult a physician or Poison Control centre immediately. Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Foam, dry chemical, carbon monoxide or any other class B extinguishing agent.

Specific Hazards Arising from the Product

Vapours may spread long distances. Prevent buildup of vapours. Keep away from and do not store or use near heat, sparks or flames.

Special Protective Equipment and Precautions for Fire-fighters

Exposure to vapours or products of combustion should be avoided. Self-contained breathing apparatus is recommended. Vapours may form an explosive mixture with air. Closed containers may rupture when exposed to extreme heat.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Eliminate all ignition sources. Use grounded, explosion-proof equipment.

Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Stop or reduce leak if safe to do so. Do not use absorbents. Contain spill using noncombustible material such as vermiculite, earth or sand. Place used absorbent into suitable, covered, labelled containers for disposal. Large spills or leaks: dike spilled product to prevent runoff.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid prolonged or repeated inhalation of vapours or spray mist. Avoid prolonged or repeated skin contact. Ground and

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bond equipment and container to prevent a static charge build-up. Emptied containers may retain hazardous residue and explosive vapours. Keep away from heat, sparks and flames. Do not cut puncture or weld near this container. Follow label warning until container is thoroughly cleaned or destroyed.

Conditions for Safe Storage

Keep storage area separate from populated work areas. Store in a cool, dry, well ventilated area, out of direct sunlight and away from incompatible materials and any source of ignition. Ventilation fans and electrical equipment should be non-sparking.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

	ACGIH TLV®		OSHA PEL		AIHA WEEL	
Chemical Name	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Methylene chloride			25 ppm	125 ppm		
Light aromatic solvent naphtha	100 ppm	150 ppm	100 ppm			

Individual Protection Measures

Skin Protection

Wear chemical resistant clothing and footwear to prevent skin contact. Trelchem®, Tychem®, Viton®, Polyvinyl alcohol (PVA).

Respiratory Protection

When concentrations are above the IDLH, or are unknown, or during spills and/or emergencies, use any supplied-air respirator that has a facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear liquid.
Odour	Pungent
Initial Boiling Point/Range	40 °C (104 °F)
Relative Density (water = 1)	1.25
Other Information	
Physical State	Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Conditions to Avoid

Vapours may spread long distances. Prevent buildup of vapours. Keep away from and do not store or use near heat, sparks or flames.

Incompatible Materials

Oxidizing agents (e.g. peroxides).

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

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Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Methylene chloride	76000 mg/m3 (rat) (4-hour exposure)	985-1600 mg/kg (rat)	> 2000 mg/kg (rabbit)
Light aromatic solvent naphtha	10-20 ppm (rat) (4-hour exposure)	> 2000 mg/kg (rat)	> 2000 mg/kg (rabbit)

Skin Corrosion/Irritation

This product may cause defatting and irritation of skin (Dermatitis) upon prolong or repeated contact.

Serious Eye Damage/Irritation

This material can cause eye irritation. The effects are usually reversible.

STOT (Specific Target Organ Toxicity) - Single Exposure**Inhalation**

Excessive exposure to vapours or spray mists can result in headache, dizziness, incoordination and loss of consciousness. Irritation of the eyes, nose, throat and lungs can also occur when exposed to high vapour concentrations. Some reports have associated repeated and prolonged occupational over-exposure to solvents with permanent nervous system damage.

Ingestion

Swallowing can cause nausea, vomiting, diarrhea, and loss of consciousness. LD50 oral rat 2136 mg/kg. LC50 4 hrs mouse 22890 ppm.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Methylene chloride	Group 2A	A3	Reasonably anticipated	Listed
Light aromatic solvent naphtha	Group 3	Not designated	Not Listed	Not Listed

Carcinogenic/liver and kidney damage.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Acute Aquatic Toxicity**

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Methylene chloride	310 mg/L (Pimephales promelas (fathead minnow); 96-hour; fresh water; static)	1682 mg/L (Daphnia magna (water flea); 48-hour)		
Light aromatic solvent naphtha	9.2 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour)			

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

No information was located.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
	1593	Dichloromethane	6.1	III

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

WHMIS 1988 Classification



Class D1B



Class D2A

D1B - Toxic; D2A - Very Toxic

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

CEPA - National Pollutant Release Inventory (NPRI)

Part 1A, Part 5.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION

SDS Prepared By Behnam Naderizand

Phone No. 905-683-0411

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