

SECTION 1: IDENTIFICATION						13C1
MANUFACTURER :	Schwartz Chemical Corporation 777 McKay Road Pickering, Ontario L1W 3A3 (905)6830411 (613)9966666			PRODUCT NAME :	VC1 VINYL CEMENT	
TELEPHONE :				PRODUCT CODE :	13C1	
EMERGENCY TELEPHONE :				PRODUCT USE :	Plastic Adhesive	
SECTION 2: HAZARD IDENTIFICATION						
Physical Hazards	Flammable liquid - Category 2					
Health Hazards	Acute Oral Toxicity - Category 4 Eye Irritation - Category 2 Skin Corrosion/Irritation - Category 2					
Label Elements						
Signal Word	Danger					
Hazard Statement	Extremely flammable Liquid and Vapour. Vapour may cause a flash fire or ignite explosively. Causes serious eye irritation. May cause mild skin irritation. Harmful if swallowed. May cause respiratory irritation. Prolonged or repeated overexposure may cause liver and kidney effects.					
Precautionary Statement	Use personal protective equipment as required. Do not handle until all safety precautions have been read and understand. All equipment used when handling the product must be grounded. Keep container tightly closed. Keep away from and do not store or use near heat, sparks or flames. Store in a cool, dry and well ventilated area. Wash thoroughly after handling. If exposed or concerned, get medical advice/attention.					
SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS						
INGREDIENT	CAS NO	%	NATURE OF HEALTH AND ROUTE OF ENTRY	TYPE OF HAZARD	OTHER HAZARDS	
TETRAHYDROFURAN	109-99-9	60-100	HARMFUL, IF INHALED, IRRITANT SKIN CONTACT	ACUTE		
SECTION 4: FIRST-AID MEASURES						
<b>INHALATION :</b>						
Remove victim to fresh air. Restore breathing. Treat symptomatically. Consult a physician.						
<b>SPLASH (EYES) :</b>						
Flush immediately with large amounts of water for at least 15 minutes. Take to a physician for medical treatment.						
<b>SPLASH (SKIN) :</b>						
Wash affected areas with soap and water. Remove contaminated clothing.						
<b>INGESTION :</b>						
Drink 1 or 2 glasses of water to dilute. DO NOT INDUCE VOMITING.						
Consult a physician or Poison Control Center immediately. Treat symptomatically.						

**SECTION 5 : FIREFIGHTING MEASURES**

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**SUITABLE EXTINGUISHING MEDIA :**

Foam, dry chemical, carbon dioxide or any class B extinguishing agent

**UNUSUAL FIRE AND EXPLOSION HAZARDS :**

Vapours may ignite explosively. Vapours may spread long distances. Prevent build-up vapors. Extinguish all pilot lights and turn off heaters, non-explosion proof electrical equipment and all other sources of ignition. Keep away from and do not store or use near heat, sparks or flames caused by such sources as electricity, static discharge, welding, grinding or flamecutting operation. Ground all equipment. Use spark-proof tools and conductive shoes to avoid sparking hazards.

**SPECIAL FIREFIGHTING PROCEDURES**

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.

**HAZARDOUS COMBUSTION PRODUCTS**
**SECTION 6: ACCIDENTAL RELEASE MEASURES**
**PERSONAL PRECAUTIONS :**

Wear appropriate protective equipment including respiratory protection as condition warrant.

Do not touch or walk through spilled material.

Do not touch damaged containers or spoiled material unless wearing appropriate protective clothing

**EMERGENCY PROCEDURES**

Keep unnecessary people away

Isolate hazard area and deny entry

Remove all sources of ignition

Ventilate area

**METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

Absorb spill with an absorbent material such as vermiculite or sand and place material into a closed container

If a large spill, dike area to prevent this material from entering water systems or sewers

**SECTION 7: HANDLING AND STORAGE**
**PRECAUTION FOR SAFE HANDLING**

Avoid prolonged or repeated inhalation of vapours or spray mist. Avoid prolonged or repeated skin contact. Ground and bond equipment and container to prevent a static charge build-up.

**CONDITION FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

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.

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.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

	ACGIH TLV	OSHA PEL
TETRAHYDROFURAN	50 ppm (TWA) 100 (STEL)	200 ppm (TWA) -----

**ENGINEERING CONTROLS:**

General ventilation is required during normal use. Local exhaust ventilation may be required during certain operations to keep exposure level below the limit listed in this data sheet

**PERSONAL PROTECTIVE EQUIPMENT**

RESPIRATORY PROTECTION	An organic vapour cartridge respiratory mask shall be worn to prevent inhalation of vapours or spray mist when the TLB or PEL is exceeded. If respiratory protection is required, institute a complete respiratory program. Refer to CSA Standard Z94.4 M1982 "Selection, Care and use of Respirators" available from the Canadian Standard Association, Rexdale, Ontario M9W 1R3
EYE/FACE PROTECTION	Chemical safety goggles should be worn to prevent eye contact. A face shield may also be necessary.
PROTECTIVE GLOVES	Chemical resistant gloves made of Viton should be used. Gloves made of nitrile, neoprene or rubber may be used for a exposure of short duration.
OTHER PROTECTIVE EQUIPMENT	Eye wash fountain and safety showers must be available in areas where this material is used. Wear protective clothing to prevent skin contact

**Key to abbreviations**

ACGIH = American Conference of Governmental Industrial Hygiene

TWA = Time-Weighted Average

OSHA = Occupational Safety and Health Administration

STEL = Short Term Exposure Limit

NIOSH = National Institute of Occupational Safety and Health

<b>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</b>		13C1
<b>PHYSICAL STATE :</b>	Clear Liquid	<b>PERCENT VOLATILE BY VOLUME :</b> 100.0%
<b>ODOUR :</b>	pungent	<b>FREEZING POINT :</b> -100°C
<b>BOILING POINT :</b>	66°C	<b>SPECIFIC GRAVITY :</b>
<b>FLASH POINT :</b>	-20.9°C	
<b>SECTION 10: STABILITY AND REACTIVITY</b>		
<b>STABILITY</b>	Stable	<b>HAZARDOUS POLYMERIZATIONS :</b> Will not occur
<b>INCOMPATIBILITY (Materials to avoid)</b>	Oxidizing compounds	<b>CONDITIONS TO AVOID :</b> Vapor concentrations
<b>HAZARDOUS DECOMPOSITION PRODUCTS :</b>	None Known	Ignition sources
<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>		
<b>ACUTE EFFECTS OF OVEREXPOSURE</b>		
<b>INHALATION</b>	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 overexposure to solvents with permanent nervous system damage.	
<b>EYE CONTACT</b>	This material can cause eye irritation. The effects are usually reversible.	
<b>SKIN CONTACT</b>	This material may cause defatting and irritation of skin upon prolonged or repeated contact.	
<b>INGESTION</b>	Swallowing can cause nausea, vomiting, diarrhea and loss of consciousness.	
<b>COMPONENTS</b>	<b>SPECIES</b>	<b>TEST RESULTS</b>
Tetrahydrofuran		
LD50, Oral	Rat	1650 mg/Kg
LD50, Dermal	Rat	>2000 mg/Kg
Lc50, Inhalation	Rat	18000 ppm, 4 hrs.
<b>CARCINOGENICITY DATA</b>	This product is not classified to be a carcinogen by IARC, NTP or OSHA.	
<b>REPRODUCTIVE EFFECTS</b>	This product is not expected to cause reproductive or developmental effects.	
<b>TERATOGENICITY DATA</b>	This product is not expected to be a teratogen.	
<b>SECTION 12: ECOLOGICAL INFORMATION</b>		
<b>COMPONENTS</b>	Tetrahydrofuran	
	Lc50 (Pimephales promelas) = 2160 mg/l, 96 hours	
	Ec50 (Daphnia magna) = 10.27 mg/l, 48 hours	
<b>ECOTOXICITY</b>	harmful to aquatic life	
<b>ENVIRONMENTAL FATE</b>	Can be dangerous if allowed to enter drinking water intakes. Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds or rivers.	
<b>SECTION 13: DISPOSAL CONSIDERATIONS</b>		
<b>WASTE DISPOSAL METHOD</b>	Dispose of this material in accordance with Federal, Provincial and Municipal regulations.	
<b>DISPOSAL OF PACKAGING</b>	Empty containers retain product residue and can be dangerous. Do not expose such containers to heat, flame, sparks, static electricity and other sources of ignition, they may explode and cause injury or death, should be taken to an approved waste handling site for recycling or disposal.	

<b>SECTION 14: TRANSPORT INFORMATION</b>		13C1
<b>PROPER SHIPPING NAME :</b>	VCI VINYL CEMENT	
<b>HAZARD CLASS :</b>	3	
<b>UN NUMBER :</b>	1133	
<b>PACKING GROUP :</b>	II	
<b>SECTION 15: REGULATORY INFORMATION</b>		
<b>CANADIAN REGULATIONS</b> This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. CEPA ( Canadian Environment Protection Act) - All components of this product are included on the DSL.		
<b>US FEDERAL REGULATIONS</b> Toxic Substances Control Act (TSCA) : All components of this product are included on the TSCA inventory		
<b>INTERNATIONAL</b> All components of this product are on the European inventory of existing commercial chemicals (EINECS), Australia Inventory of Chemical Substances (AICS), Existing Chemicals List ,(ECL) Inventory of Existing and New Chemical Substances (ENCS), Existing Chemical List (ECL), Philippine Inventory of Chemicals and Chemical Substances (PICCS)		
<b>SECTION 16: OTHER INFORMATION</b>		
<b>Last Revision Date :</b>	January 13, 2013	
<b>Preparation Date :</b>	May 2, 2015	
<b>Disclaimer :</b>	The information contained herein is offered only as a guide to the handling of this product and has been prepared in good faith by technically knowledgeable personnel. No warranty of any kind is given or implied and Schwartz will not be liable for any damages, losses or injuries which may result from the use of or reliance on any information contained herein. This Safety Data Sheet is valid for three years.	