


SECTION 1: IDENTIFICATION 12C1

MANUFACTURER :	Schwartz Chemical Corporation 777 McKay Road Pickering, Ontario L1W 3A3	PRODUCT NAME : REZ-N-BOND #1
TELEPHONE :	(905)6830411	PRODUCT CODE : 12C1
EMERGENCY TELEPHONE :	(613)9966666	PRODUCT USE : Plastic Adhesive

SECTION 2: HAZARD IDENTIFICATION

Health Hazards	Acute Oral Toxicity - Category 4 Eye Irritation - Category 2 Skin Corrosion/Irritation - Category 2 Carcinogenicity Category 2
Label Elements	
Signal Word	Danger
Hazard Statement	May be harmful, if swallowed. Vapours are irritating to eyes and respiratory tract. High vapour concentrations may cause drowsiness. May cause moderate to severe skin and eye irritation. Suspected of causing cancer.
Precautionary Statement	Use personal protective equipment as required. Do not handle until all safety precautions have been read and understand. 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
METHYLENE CHLORIDE	75-09-2	60-100	HARMFUL, IF INHALED, IRRITANT SKIN CONTACT	CHRONIC	

SECTION 4: FIRST-AID MEASURES

INHALATION : Remove victim to fresh air. Restore breathing. Treat symptomatically. Consult a physician. SPLASH (EYES) : Flush immediately with large amounts of water for at least 15 minutes. Take to a physician for medical treatment. SPLASH (SKIN) : Wash affected areas with soap and water. Remove contaminated clothing. INGESTION : Drink 1 or 2 glasses of water to dilute. DO NOT INDUCE VOMITING. Consult a physician or Poison Control Center immediately. Treat symptomatically.
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SECTION 5 : FIREFIGHTING MEASURES
SUITABLE EXTINGUISHING MEDIA :

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

UNUSUAL FIRE AND EXPLOSION HAZARDS :

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

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

Not flammable or Combustible Thermal Decomposition includes Hydrogen chloride, Phosgene, Oxides of Chlorine and Carbon

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
METHYLENE CHLORIDE	50 ppm (TWA)	25 ppm (TWA) 125 ppm (STEL)

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 NIOSH approved supplied air respirator is required when vapours exceed the TLV or PEL for Methylene Chloride

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 PVA should be used.

Gloves made of viton, nitrile, neoprene or rubber may be used for a short time.

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

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES		12C1
PHYSICAL STATE :	Clear Liquid	PERCENT VOLATILE BY VOLUME : 100.0%
ODOUR :	Pungent	FREEZING POINT : -96°C
BOILING POINT :	40°C	SPECIFIC GRAVITY : 1.30
SECTION 10: STABILITY AND REACTIVITY		
STABILITY	Stable	HAZARDOUS POLYMERIZATIONS : Will not occur
INCOMPATIBILITY (Materials to avoid)	Oxidizing compounds	CONDITIONS TO AVOID : Vapor concentrations
HAZARDOUS DECOMPOSITION PRODUCTS :	None Known	Ignition sources
SECTION 11: TOXICOLOGICAL INFORMATION		
ACUTE EFFECTS OF OVEREXPOSURE		
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 overexposure to solvents with permanent nervous system damage.	
EYE CONTACT	This material can cause eye irritation. The effects are usually reversible.	
SKIN CONTACT	This material may cause defatting and irritation of skin upon prolonged or repeated contact.	
INGESTION	Swallowing can cause nausea, vomiting, diarrhea and loss of consciousness.	
CHRONIC EFFECTS OF OVEREXPOSURE		
Carcinogenic/live and kidney damage		
COMPONENTS	SPECIES	TEST RESULTS
Methylene Chloride		
LD50, Oral	Rat	1400 mg/Kg
LD50, Dermal	Rabbit	>2000 mg/Kg
Lc50, Inhalation	Rat	2217 ppm
CARCINOGENICITY DATA	Methylene Chloride is classified as a suspected carcinogen by IARC, NTP and NIOSH.	
MUTAGENICITY DATA	Not expected to be mutagenic	
TERATOGENICITY DATA	Teratogenicity test in animals have been negative.	
SECTION 12: ECOLOGICAL INFORMATION		
ECO TOXICITY	May be harmful to aquatic life	
COMPONENTS		
Methylene Chloride		
Lc50 (Rainbow Trout) = 10.9 g/l		
Lc50 (Lepomis macrochirus) = 15.4 g/l		
Ec50 (Daphnia magna) = 24.5 g/l		
ENVIRONMENTAL FATE	Can be dangerous if allowed to enter drinking water intakes. Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds or rivers.	

SECTION 13: DISPOSAL CONSIDERATIONS		12C1
WASTE DISPOSAL METHOD	Dispose of this material in accordance with Federal, Provincial and Municipal regulations.	
DISPOSAL OF PACKAGING	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.	
SECTION 14: TRANSPORT INFORMATION		
PROPER SHIPPING NAME :	REZ-N-BOND #1	
HAZARD CLASS :	6.1	
UN NUMBER :	1593	
PACKING GROUP :	III	
SECTION 15: REGULATORY INFORMATION		
CANADIAN REGULATIONS		
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.		
US FEDERAL REGULATIONS		
Toxic Substances Control Act (TSCA) : All components of this product are included on the TSCA inventory		
INTERNATIONAL		
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)		
SECTION 16: OTHER INFORMATION		
Last Revision Date :	January 13, 2013	
Preparation Date :	May 2, 2015	
Disclaimer :	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.	