

MATERIAL SAFETY DATA SHEET

WHITE WBW CURE


SECTION 01: PRODUCT IDENTIFICATION

Product Identifier:	Hydrocarbon Resin Emulsion
WHMIS Classification:	D2A Very Toxic Materials
Product Use:	Curing and Strengthening Concrete
Manufacturer's Name:	Concrete Chemical Technologies, #190, 6260 Graybar Road, Richmond, BC, V6W 1H6, Canada, Emergency Telephone Number: 1 604 789 2550
Supplier's Name	Concrete Chemical Technologies, #190, 6260 Graybar Road, Richmond, BC, V6W 1H6, Canada, Emergency Telephone Number: 1 604 789 2550
Preparation Date of MSDS:	May 19 th , 2006
Revision Date of MSDS:	January 14 th , 2008
MSDS Prepared By:	Farhad Kazemian
Phone Number of Preparer:	1 877 952 0157

SECTION 02: HAZARDOUS INGREDIENTS

Ingredients:	%	CAS#	LD/50	TLV	Comments
Aromatic Hydrocarbon	7-10	1330-20-7	1364 mg/kg (Intraperitoneal Mouse)	NA	NA
Xylene	12-22	1330-20-7	4300 mg/kg (Oral Rat)	100 ppm	UN 1307
Titanium Dioxide	3-6	13463-67-7	24000mg/kg (Oral Rat)	NA	NA

SECTION 03: HAZARDOUS IDENTIFICATION

Route of Entry:	Skin contact, eye contact, Inhalation, Ingestion
Skin Contact:	Irritant. Can cause dermatitis through defatting of tissue. May cause rashing or blistering of skin.
Skin Absorption:	NA
Eye Contact:	Irritant. Exposure may lead to tearing, blurring and sensitivity to light.
Inhalation:	Irritant. May cause nausea, headache, drowsiness, numbness, lung congestion and reduced body temperature.
Ingestion:	May lead to digestive disorders, bloody vomit, intoxication, and liver and kidney damage.
Emergency Overview:	No serious effects anticipated under normal conditions of use.
WHMIS Symbols:	 B2A
Potential Health Effects:	Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

SECTION 04: FIRST AID MEASURES

Skin Contact:	Wash with soap and water. Flush exposed areas with luke-warm water. Remove and launder all clothing before re-use. Get medical attention if irritation persists.
Eye Contact:	Immediately flush with water for at least fifteen minutes. Get medical attention.
Inhalation:	Remove to fresh air. If victim is not breathing, administer artificial respiration. Immediately obtain medical attention and advice.
Ingestion:	Do not induce vomiting. Obtain immediate medical attention.

SECTION 05: FIRE FIGHTING MEASURES

Flammable (Yes / No)	No
Yes	NA

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Means of Extinction	This product is not expected to burn under normal conditions of use.
Flash Point (°C / Method)	NA
Upper Flammable Limit (% by Volume)	NA
Lower Flammable Limit (% by Volume)	NA
Autoignation Temperature (°C)	NA
Explosion Data- Sensitivity to Impact	NA
Explosion Data- Sensitivity to Static Discharge	NA
Hazardous combustion Products	Carbon monoxide and carbon dioxide can form smoke and fumes.
Special Fire Fighting Procedures	Wear NIOSH approved, self-contained breathing apparatus and full protective clothing.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures	Isolate spill area. Dike material using an inert material to prevent access to sewers or waterways. Advise emergency response personnel as required by local regulation. Always wear appropriate personal safety protection.
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SECTION 07: HANDLING AND STORAGE

Handling Procedures and Equipment	Avoid contact with eyes, skin and clothing. Store material in original containers. Use with adequate ventilation.
Storage requirements	Store in a cool, well-ventilated area away from all oxidizers and ignition hazards. Outside or detached storage is preferable. Purge all empty containers prior to disposal.

SECTION 08: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limit	ACGIH TLV	See Section 2
	OSHA PEL	NA
	Other	NA
Engineering Controls	General	Provide general exhaust ventilation to maintain air concentration levels to acceptable limits.
	Local Exhaust	Use local exhaust when the general ventilation is inadequate.
	Other	Eyewash stations and safety showers should be proximal to handling location.
Personal Protective Equipment	Gloves	Wear protective gloves.
	Respirator	Wear a NIOSH approved respirator.
	Eye	Wear full safety shields. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.
	Footwear	NA
	Clothing	Wear protective clothing.
	Other	NA
HMIS Rating		Health=1, Fire= 0, Reactivity= 0

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Odor and Appearance	Odorless white liquid

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Odor Threshold (ppm)	NA
Specific Gravity	0.895- 0.915 g/cm ³
Vapor Density (air = 1)	3.7
Vapor Pressure (mmHg)	NA
Evaporation Rate	0.7
Flammability Class	NA
Boiling Point °C	100-110 C (212- 230 F)
Freezing Point °C	NA
Volatile % By Weight	83% by weight
PH	NA
Coefficient of Water / Oil Distribution	NA
Solubility in Water	Soluble

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under normal storage and handling conditions.
Incompatibility With Other Substances	Incompatible with strong acids, oxidizers and bases.
Reactivity	NA
Hazardous Decomposition Products	Hazardous polymerization not expected to occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Effects on Acute Exposure	May cause dermatitis. Intraperitoneal Mouse LD50 : 1364 mg/kg
Effects on Chronic Exposure	May lead to kidney or liver failure, coma or death. Prolonged exposure may cause central nervous system depression. Can be fatal.
Irritancy of Product	Irritant
Skin Sensitization	NA
Respiratory sensitization	See Section 3
Carcinogenicity	NA
Other Toxicity Information	Long term exposure of xylene may cause nervous system effects with symptoms such as headaches, irritability, depression, insomnia, agitation, extreme tiredness, tremors, impaired concentration and short term memory. The blood platelet count may be reduced on exposure to xylene which is reversible when exposure is stopped. Repeated contact can produce dermatitis (dryness and cracking). Chronic inhalation exposure to xylene causes mid-frequency hearing loss in laboratory animals. Reduced body weight was observed in male rats during one test.
IARC (1,A2 or 2B)	NA
ACGIH (A1, A2 or A3)	ACGIH Carcinogens for Xylene= A4- Not Classified as a Humans Carcinogen
Reproductive Toxicity	NA
Teratogenicity	Xylene has produced fetotoxic effects (delayed ossification and behavioral effects) in animals, in the absence of maternal toxicity.
Embryotoxicity	This product contains materials known to be embryonic toxicants. Fetal exposure may lead to birth defects, premature labor or fetal death. Do not handle or use this product when pregnant.
Mutagenicity	NA
Name of Synergistic Products / Effects	Xylene reacts synergistically with n-hexane to enhance hearing loss.

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity	Xylene Mobility: If product enters soil, it will be highly mobile and may contaminate groundwater. Floats on water. Persistence/degradability: Readily biodegradable. Oxidizes rapidly by photo-chemical reactions in air.
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CONCRETECH

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	Bioaccumulation: Does not bioaccumulate significantly. Other Adverse Effects: In view of the high rate of loss from solution, the product is unlikely to pose a significant hazard to aquatic life.
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SECTION 13: DISPOSABLE CONSIDERATIONS

Waste Disposal	Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.
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SECTION 14: TRANSPORT INFORMATION

Special Shipping Information	Not Regulated
PIN	Not Regulated
TDG	Not Regulated
DOT	Not Regulated
IMO	Not Regulated
ICAO	Not Regulated
ERAP	Not Regulated

SECTION 15: REGULATORY INFORMATION

WHMIS Classification	D2A Very Toxic Materials
OSHA	NA
TSCA	All components are listed or exempt from the TSCA inventory.
DSL / TOSCA	This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

SECTION 16: OTHER INFORMATION

Regulatory Information	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.
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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It is provided solely for the customer's consideration, and verification. Hereby specifically claims. It shall not be held liable for any damage resulting from handling or from contact with the above products.

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