

MATERIAL SAFETY DATA SHEET

ULTRABOND TOPPING POLYMER

SECTION 01: PRODUCT IDENTIFICATION

Product Identifier:	Acrylic latex
WHMIS Classification:	Not controlled
Product Use:	Concrete admixture
Manufacturer's Name:	Concretech Inc., #106, 2567- 192 Street, Surrey, BC, V3S 3X1, Canada
Supplier's Name	Concretech Inc., #106, 2567- 192 Street, Surrey, BC, V3S 3X1, Canada
Preparation Date of MSDS:	March 19 th , 2002
Revision Date of MSDS:	April 11 th , 2011
MSDS Prepared By:	Farhad Kazemian
Phone Number of Preparer:	1 604 210 1147
Emergency Phone Number	1 888 503 6780

SECTION 02: HAZARDOUS INGREDIENTS

Ingredients:	W. %	CAS#	LD/50	TLV	Comments
Acrylic Emulsion	12.50	Not Hazardous	NA	NA	NA
Ethylene Glycol	3.00	107-21-1	4700 mg/kg (Oral Rat)	50 ppm	NA
Surface Active Agent	1.20	009036-19-5	Not Est.	Not Est.	NA
Ammonia	0.07	07664-41-7	35 ppm	25 ppm	NA

SECTION 03: HAZARDOUS IDENTIFICATION

Route of Entry:	Skin contact, eye contact, inhalation and ingestion
Skin Contact:	May cause skin irritation. Wash with large amount of water.
Skin Absorption:	NA
Eye Contact:	May cause irritation. Flush eyes with large amounts of water for at least 15 minutes.
Inhalation:	Excessive exposure to vapors or spray mists may cause headaches, nausea, vomiting, dizziness and loss of consciousness.
Ingestion:	Do not induce vomiting. Harmful or fatal if swallowed. Minute amounts aspirated into the lungs during swallowing or subsequent vomiting may cause dangerous bronchopneumonia or pulmonary edema
Emergency Overview:	NA
WHMIS Symbols:	NA
Potential Health Effects:	NA

SECTION 04: FIRST AID MEASURES

Skin Contact:	Wash with soap and water immediately. If redness, itching or burning sensation develops get medical attention. Wash contaminated clothing and decontaminates footwear before use.
Eye Contact:	Immediately flush with large quantities of water for 15 minutes. If redness, itching, or a burning sensation develops, have eyes examined and treated by medical personnel.
Inhalation:	Remove victim to fresh air. If a cough or other respiratory symptoms develop, consult medical personnel.
Ingestion:	If ingested give one or two glasses of water to drink and get medical attention immediately. DO NOT induce vomiting.

SECTION 05: FIRE FIGHTING MEASURES

Flammable (Yes / No)	No
Yes	NA
Means of Extinction	Foam, dry chemical, carbon dioxide or water fog.

MATERIAL SAFETY DATA SHEET

Flash Point (°C / Method)	>200°F (93 °C) (Penske- Martin Closed tester)
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 oxides and ammonia
Special Fire Fighting Procedures	NA

SECTION 06: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures	Sodium chloride can be sprinkled on the spill, which may coagulate the latex and facilitate cleaning with water. Place coagulated waste in a closed container. Wear protective equipment during cleanup. Ventilate area. Keep spectators away. Floor may be slippery. Contain spill with inert material or absorbent such as sawdust, vermiculite or sand. Do not allow material to enter drain or waterways.
---------------------------	---

SECTION 07: HANDLING AND STORAGE

Handling Procedures and Equipment	Avoid prolonged or repeated inhalation of heated vapors or spray mists. Avoid prolonged or repeated skin contact.
Storage requirements	Keep containers closed. Store in a cool, well-ventilated area and oxidizing agents. Keep from freezing.

SECTION 08: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limit	ACGIH TLV	ACGIH TLV for ammonia is 25 ppm, 8-hours TWA with a STEL of 35 ppm
	OSHA PEL	OSHA PEL for ammonia is 50 ppm, 8- hours TWA
	Other	NA
Engineering Controls	General	General ventilation is required during normal use.
	Local Exhaust	Local ventilation may be required during certain operations that generate fumes or spray mists.
	Other	NA
Personal Protective Equipment	Gloves	Rubber Gloves
	Respirator	Not generally required during normal use and handling. A canister type respirator may be necessary if spray mists or fumes are generated.
	Eye	Safety Goggles
	Footwear	NA
	Clothing	Long Sleeve Cover-alls
	Other	NA

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Odor and Appearance	Mild ammonia odor, low viscosity liquid
Odor Threshold (ppm)	NA
Specific Gravity	1.037 g/cm3
Vapor Density (air = 1)	NA
Vapor Pressure (mmHg)	NA
Evaporation Rate	Slower than n-butyl acetate
Flammability Class	NA
Boiling Point °C	100 C (212 F)
Freezing Point °C	0 C (32 F)

MATERIAL SAFETY DATA SHEET

Volatile % By Weight	87.0% by weight
PH	9.0
Coefficient of Water / Oil Distribution	NA
Solubility in Water	Dispersible

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability	Stable
Incompatibility With Other Substances	Oxidizing agents
Reactivity	Not reactive. Keep from freezing
Hazardous Decomposition Products	Under severe thermal degradation low molecular weight organic compounds will be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

Effects on Acute Exposure	NA
Effects on Chronic Exposure	Prolonged exposure can cause drying of the skin resulting in irritation and dermatitis.
Irritancy of Product	Irritant to skin contact and eyes.
Skin Sensitization	Repeated exposure and washing may irritate the skin or cause dermatitis.
Respiratory sensitization	Excessive exposure to vapors or spray mists may cause headaches, nausea, vomiting, dizziness and central nervous system depression.
Carcinogenicity	This material does not contain 0.1% or more of any substance that is listed as a carcinogen by NTP, TARC or OSHA.
Other Toxicity Information	NA
IARC (1,A2 or 2B)	NA
ACGIH (A1, A2 or A3)	See section 8
Reproductive Toxicity	NA
Teratogenicity	NA
Embryotoxicity	NA
Mutagenicity	NA
Name of Synergistic Products / Effects	NA

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity	NA
------------------	----

SECTION 13: DISPOSABLE CONSIDERATION

Waste Disposal	Allow the absorbed material to dry and landfill the solids in accordance with current federal, state, provincial and local regulations.
----------------	---

SECTION 14: TRANSPORT INFORMATION

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

SECTION 15: REGULATORY INFORMATION

CONCRETECH

106, 2567 - 192 STREET, SURREY, BC, V3S 3X1

#106 2567 192 Street, Surrey, BC V3S 3X1

Phone: 604 210 1147 Fax: 604 357 1344

Toll Free: 1 888 503 6780

Web: www.concretechproducts.com

Email: info@concretechproducts.com

MATERIAL SAFETY DATA SHEET

WHMIS Classification	Not Controlled
OSHA	See Section 8
SARA	NA
TSCA	NA
DSL / TOSCA	All raw materials listed.

SECTION 16: OTHER INFORMATION

SARA Section 313 Listed Ingredients	This material does not contain any substance that is Subject to the reporting requirements of 40 CFR 372.
--	---

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.

CONCRETECH