

SAFETY DATA SHEET (SDS) / WB-1

Section 1 Product / Company Identification

Product Name	WB-1
Product Description	Acrylic Emulsin Solution
Product Number	4500
Manufacturer & Address	DYNA Metro Inc. 37 Creditstone Road Concord, Ontario L4K 1N3 Canada
Manufacturer's Phone Number	+1 905.761.3309
Manufacturer's Facsimile	+1 905.761.2114
Date Of Issue	June 5, 2018
Prepared By	Mark Gagro
Emergency Phone Numbers	Canutech 1-613-996-6666 (Canada) Chemtrec 1-800-424-9300 (U.S.)

Section 2 Emergency And First Aid

Emergency Information

Eyes	Rinse the eyes with a gentle stream of water for at least 15 minutes. Consult a physician immediately.
Skin	Remove contaminated clothing. Wash the skin with soap and water. Decontaminate or discard clothing. If irritation occurs, seek medical attention.
Inhalation	Remove from exposure and provide fresh air. If breathing has stopped, administer artificial respiration or oxygen as necessary. Consult a physician immediately.
Ingestion	Remove from exposure and provide fresh air. If breathing has stopped, administer artificial respiration or oxygen as necessary. Consult a physician immediately.

Section 3 Composition Information

Physical State	Liquid to semi-solid
Colour	Translucent clear yellow gel
Odour and Appearance	Viscous liquid to semi-solid with acrylic odour
Water Solubility	Dilutable
Specific Gravity	1.1
Flash Point	100 Degrees C / 212 Degrees F
Freezing Point	0 Degrees C
Melting Point	Not applicable
Vapour Density (Air =1)	< 1
Vapour Pressure (mm Hg)	17 mm HG @ 20 Degrees C / 71 Degrees F
pH	8.5 - 9.5
Partition Coefficient (K o/w)	Not applicable
VOC	< 95 g/L

Section 4 Hazardous Ingredients

Ingredient	CAS #	OSHA PEL	ACGIHTLV-TWA	NOISH REL
Acrylic Polymer	Not Hazardous	48 - 52 %		
Individual residual monomers	Not required	< 0.1 %		
Ammonia	7664-41-7	.02 % max		
Water	7732-18-5	48 - 52 %		

Section 5 Hazardous Identification

Respiratory Protection

None required if airborne concentrations are maintained below the TWA / TLV's listed in the Component Exposure Information Section. For airborne concentrations up to 10 times the TWA / TLV's listed in the Component Exposure Information Section wear a MSHA / NIOSH approved half/mask, air purifying respirator.

Eye Contact

Chemical protective goggles. A face shield may be necessary.

Skin Contact

PVA, Viton and polyethylene gloves. Suitable of barrier materials should be determined based on the use of this product. Protective clothing should be worn.

Ventilation

Local exhaust fans should be used to control the level of airborne contaminants. General dilution ventilation may assist in reduction of airborne contaminants.

Other Equipment

Eye wash station, safety shower.

Storage

Keep the material freezing; material may be coagulate.

Disposal Methods

Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, provincial, and federal regulations.

Labeling Requirements

This product is considered non-hazardous under the OSHA Hazard Communication Standards (29CFR1910.1200)

This product is not a controlled product under the Canadian Workplace Hazardous Material Information System (WHMIS).

Section 6 Accidental Release Measures

Spill Response	Contain spill. Cover with absorbent material. Collect spilled material. Place in an approved metal container.
Methods of Disposal	Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material.

Section 7 Fire And Explosion

Flammability	No
Combustible	No
Means of Extinction	N/A
Exposure Hazards During Fire	N/A
Fire Fighting	N/A
Flash Point	100°C
Explosion Data	N/A
Sensitivity To Static	N/A
Sensitivity to Impact	N/A
Auto Ignition Temperature	N/A
Unusual Fire And Explosion Hazards	N/A
Hazardous Combustion Products	N/A

Section 8 Stability And Reactivity Data

Stability And Reactivity	Stable
Hazardous Polymerization	Will not occur
Conditions To Avoid	N/A
Incompatibility	There are no known materials which are incompatible.
Hazardous Decomposition	Thermal decomposition may yield acrylic monomers.
Reactivity	No

Section 9 Precautions For Handling And Storage

Storage Requirements	Keep container dry.
Incompatible Materials	Store away from acids or oxidizing agents . Store away from heat. Store out of direct sunlight.
Ventilation	Keep container in well ventilated area.
Fire Prevention	Ground containers securely when transferring contents. Wear low static or properly grounded shoes. No smoking while handling this material. Avoid shock or friction.
Explosion Prevention	Keep away from heat, sparks, open flame, and other sources of ignition. Prevent all sources of ignition. Vapours may ignite explosively. Avoid static discharge.
Static Prevention	Keep container tightly closed.

Section 10 Toxicological Information

Accute Date	The information shown in the Health Effect from Overexposure Section is based on the toxicity profiles for a number of acrylic emulsions that are compositionally similat to this product. Typical data are: Oral LF50-rat: > 5000 mg/kg Dermal LD50-rabbit : > 5000 mg/kg Skin irritation - rabbit : practically non-irritating Eye irritation - rabbit : inconsequential irritation
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Section 11 Personal Protection / Exposure Control

Respiratory Protection:	Use local exhaust or general dilution ventilation to control dust levels below applicable exposure limits. Minimize dispersal of dust into the air. If local or general ventilation is not adequate to control dust levels below applicable exposure limits or when dust causes irritation or discomfort, use MSHA/NIOSH approved respirators.
Eye Protection:	Wear safety glasses with side shields or goggles to avoid contact with the eyes. In extremely dusty environments and unpredictable environments, wear tight-fitting unvented or indirectly vented goggles to avoid eye irritation or injury. Contact lenses should not be worn when handling cement or cement containing products.
Skin Protection:	Wear impervious abrasion- and alkali-resistant gloves, boots, long-sleeved shirt, long pants or other protective clothing to prevent skin contact. Promptly remove clothing dusty with dry Product or clothing dampened with moisture mixed with the Product, and launder before re-use. If contact occurs, wash areas contacted by material with pH neutral soap and water.

Section 12 Personal Protection / Exposure Control

Disposal:	Product As Sold	No data available
	Product Packaging	No data available
	Special Instructions	Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, provincial, and federal regulations.

Section 13 Transportation Data

The Product is not hazardous under U.S. DOT or TDG regulations.

Section 14 Other Regulatory Information

Labelling Requirements This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200)

This product is not a controlled product under the Canadian Workplace Hazardous Material Information System (WHMIS).

Section 15 Other Information

WHMIS Classification N/A

IMO Description N/A