

KORZITE COATINGS INC.

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT INFORMATION.

Material Name/Identifier: SR/CSC MF1

Manufacturer's Name: Korzite Coatings Inc.  
7134 Wellington Rd.124  
Guelph, Ontario  
N1H 6N3

Emergency Telephone Numbers: During business hours 519 821 1250  
After business hours 613 996 6666

Trade Name: AIM Concrete Sealer  
Production Class : Acrylic

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredient:	Approximate Concentration:	C.A.S. Number:	Exposure Limits:	LD50	LC50 Inhalation(Rat)
Acetone	30.0 – 60.0 %	67-64-1	T.L.V. 500 PPM	Oral(RAT) 9750 mg/Kg Skin(Rbt) 20000 mg/Kg	16000 PPM/4 hr.
Xylene	3.0 – 7.0 %	1330-20-7	T.L.V. 100 PPM	4000 mg/Kg	6500 PPM/4hr.
Naphtha , Petroleum	5.0 – 10.0 %	64742-95-6	T.L.V. 50 PPM	Oral(Rat) >5600mg/Kg Skin (Rat) >4000 mg/Kg	>10200 PPM/4 hr.
Ethyl Benzene	1.0 – 5.0 %	100-41-4	Not Available	Oral(Rat) 4.3 gm/Kg Oral(Rbt) >3.9 ml/Kg	Inhalation(Rat) >6700 PPM/4hrs

SECTION III - PHYSICAL DATA FOR MATERIAL

Appearance and Odour: Clear liquid with the odour of solvent present.

Evaporation Rate: Slower than n-Butyl Acetate (n-Butyl Acetate = 1)

% Volatile by Volume: 80.6 +/- 1.0

Specific Gravity: 0.85 +/- 0.1

Boiling Point: 56 - 154 degrees Celsius  
pH: Not applicable.

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#### SECTION IV - FIRE AND EXPLOSION HAZARDS OF MATERIAL

Flammability: Flammable.

Means of Extinction: Foam, carbon dioxide or dry chemical.

Special Procedures: Wear self-contained breathing apparatus with a full face piece. Use water spray to cool near by containers and structures exposed to fire.

Flash point and Method: -17.8 To 42 degrees Celsius T.C.C.

Flammable Limits: 2.5-12.8(Acetone),1.9-12.3 (Xylene/Ethyl Benzene), 0.6-7.0(Naphtha Petroleum),  
% by volume

Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide, and various Hydrocarbons.

Unusual Fire and Explosion Hazards:

Closed containers may explode when exposed to extreme heat or fire. Vapours are heavier than air and may travel along the surface to a distant sources of ignition and flashback. May decompose under fire conditions emitting irritant and/or toxic gases.

#### SECTION V - REACTIVITY DATA

Chemical Stability: Stable

Incompatibility to Other Substances: No

Reactivity and Under What Conditions: Avoid high temperature exposure.

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide, and various Hydrocarbons.

*Hazardous polymerization will not occur.*

#### SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT

**Route of Entry:** *Skin contact, skin absorption, eye contact, inhalation, and ingestion.*

##### **Effects of Acute Exposure to Product:**

**Skin:** Can cause irritation of skin, may also cause defatting, drying and cracking of the skin.

**Eyes:** Can cause irritation of eyes, may also cause redness and pain.

**Inhalation:** Can cause irritation of respiratory tract, may also cause central nervous system (CNS) depression which is characterized by headache, dizziness, drowsiness, nausea, vomiting and incoordination.

**Ingestion:** Can cause irritation, a burning sensation of the mouth, throat and respiratory tract and abdominal pain.

##### **Effects of Chronic Exposure to Product:**

**Skin:** Can cause dermatitis, defatting, and sensitization to skin.

**Eyes:** Can cause blurred vision, tearing and redness, corneal damage and conjunctivitis.

**Inhalation:** Can cause mucous membrane irritation, central nervous system depression,

respiratory problems, intoxication, confusion, loss of consciousness and asphyxiation.

**Ingestion:** Can cause nausea, vomiting, diarrhoea and neural dysfunction.

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**Irritancy of Product:** The product can cause irritation to skin, eyes, respiratory tract and digestive system.

**Sensitization to Product:** Not Established.

**Carcinogenicity:** Not applicable.

## SECTION VII - PREVENTIVE MEASURES

Personal Protective Equipment:

**Gloves:** Chemical resistant glove should be used. Neoprene or rubber glove may be used for exposure of short duration.

**Respiratory:** An air purifying respirator equipped with organic vapour cartridges (vapour respirator). An air supplied respirator is needed for higher concentration of volatile material(s).

**Eye:** Chemical safety goggles.

**Footwear:** Chemical resistant boots.

**Clothing:** Protective clothing or overalls.

**Other:** Impermeable apron, face shield.

Engineering Controls:

General ventilation required, local exhaust ventilation desirable; electrical and mechanical equipment should be explosion and spark proof.

Leak and Spill Procedures:

Ignition sources such as sparks, open flames or hot surfaces should be removed. Appropriate personal protective equipment should be used. Flush with water to an open, well ventilated area. Place the spilled product into a disposal container or absorb with absorbent material.

Waste Disposal:

Dispose of by controlled burning or landfill in an approved site in accordance with Local, Provincial, and Federal laws and regulations.

Handling Procedures and Equipment:

Keep containers closed. Avoid heat, open flames, and spark sources. Avoid splash-filling. Ground and bond equipment and container(s) to prevent a static charge build up.

Storage Requirements:

Store in cool, well ventilated area. Avoid excessive heat exposure.

Regulatory Classification:

HMIS Rating:			
Health:	Flammability	Reactivity	Personal Protection
2	3	0	H
WHMIS Classification: B2, D2B, Flammable liquid.			
Shipping Name: Paint			
Hazard Class: Class 3			
Special Shipping Information: UN Number - 1263			
Packing Group: II			

## SECTION VIII - FIRST AID MEASURES.

**Skin:** Wash contaminated skin with plenty of water. Remove contaminated clothing.

**Eye:** Flush eyes immediately with water for 15 minutes especially under lids. Seek Medical attention.

**Inhalation:** Remove victim to fresh air, restore and support continued breathing. Seek Medical attention.

**Ingestion:** Do not induce vomiting. Seek Medical attention immediately.

**General Advise:** Guard against aspiration of the product into the lungs.

## SECTION IX - PREPARATION DATE OF M.S.D.S.

Additional Information / Comments:

The information contained herein relates only to this product or material and may not be valid when used in combination with any other product or material or in any process. If the product is not to be used for a purpose or under conditions which are normal or reasonably foreseeable, this information cannot be relied upon as complete or applicable.

The information contained herein is based on information available at the indicated date of preparation. This M.S.D.S. supersedes all previous M.S.D.S.'s for this product.

Sources Used:

1. Raw Material M.S.D.S.'s from suppliers.
2. M.S.D.S. guidelines from C.P.C.A.
3. Guide to Canadian Transportation of Dangerous Goods Act and Regulations.
4. The W.H.M.I.S. Handbook.

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Date of Preparation: April 28, 2011