



ChemShield 1710AM Resin

(Part A)

Safety Data Sheet (SDS)

Section 1 - Product and Company Identification

Trade Name: ChemShield 1710AM Resin (All Versions) **Product Code:** ChemShield 1710AM-000 CL1A Resin

Company:

Wolverine Coatings Corporation
5969 Highway 221
Roebuck, SC 29376
+1 (864) 587-3144

Emergency Contact:

ChemTel 24 Hr. US Emergency Number:
+1 (800) 255-3924
ChemTel 24 Hr. Worldwide Emergency Number:
+1 (813) 248-0585

Product Use: Coatings

Not recommended for: None Identified

Section 2 - Hazards Identification

GHS Ratings:

Skin Corrosive	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Eye Corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Skin Sensitizer	1	Skin Sensitizer
Reproductive Toxin	1B	Presumed, Based on experimental animals
Aquatic toxicity	C2	Acute toxicity > 1.00 but ≤ 10.0 mg/l and lack of rapid degradability and log Kow ≥ 4 unless BCF < 500 and unless chronic toxicity > 1 mg/l

GHS Hazards

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H360	May damage fertility or the unborn child
H411	Toxic to aquatic life with long lasting effects

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P321	Specific treatment (see label)
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P391	Collect spillage
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P337+P313	Get medical advice/attention

Signal Word: Danger

Section 3 - Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Epoxy Phenol Novalac Resin	28064-14-4	50.00% - 60.00%
Bisphenol F epoxy resin	9003-36-5	20.00% - 30.00%
Alkyl c12 - c14 glycidyl ether	68609-97-2	5.00% - 10.00%
Trade Secret		5.00% - 10.00%
Silver Zinc Zeolite	130328-20-0	1.00% - 5.00%

Section 4 - First Aid Measures

Inhalation: If affected, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Eye Contact: Immediately flush eyes for at least fifteen minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. If eye irritation persists: Get medical advice/attention.

Skin contact: Immediately remove contaminated clothing and shoes. Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position. Get immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point: 110 C (230 F)

LEL:

UEL:

Extinguishing Media: Use carbon dioxide, foam, dry chemical, dry sand, water fog, or limestone powder extinguishing systems.

Unusual Fire and Explosion Hazards: None

Hazardous combustion products: Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See section 10 (Stability and Reactivity) for additional information.

Special Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus.

Fire Equipment: No Data

Section 6 - Accidental Release Measures

Spill And Leak Procedures: Avoid all personal contact. Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Spills should be contained, solidified, and placed in suitable containers for disposal.

Section 7 - Handling and Storage

Handling Precautions: Use good laboratory/workplace procedures. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well-ventilated conditions. Avoid eye and skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Discard shoes contaminated with this product.

Storage Requirements: Keep away from heat, sparks, and open flames. Store cool and dry, under well-ventilated conditions. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use.

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS #	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Epoxy Phenol Novalac Resin 28064-14-4	Not Established	Not Established	Not Established
Bisphenol F epoxy resin 9003-36-5	Not Established	Not Established	Not Established
Alkyl c12 - c14 glycidyl ether 68609-97-2	Not Established	Not Established	Not Established
Trade Secret	Not Established	Not Established	Not Established
Silver Zinc Zeolite 130328-20-0	Not Established	Not Established	Not Established

Ventilation: Good general mechanical ventilation and local exhaust is recommended.

Hygiene: Eye wash must be easily accessible. Wear protective clothing as necessary to prevent contact. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. Gloves must be inspected regularly and prior to each use. Replace if necessary.

Personal Protective Equipment: Wear impervious protective gloves. Wear OSHA, NIOSH approved organic vapor respirator if ventilation is inadequate. Wear appropriate protective eyewear such as splash-proof, chemical resistant safety goggles.

Contaminated Gear: Take off all contaminated clothing immediately. Wash contaminated clothing before reuse.

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

Appearance: Liquid	Odor: Not available
Vapor Pressure: 0.13 mm Hg	Odor threshold: Not available
Vapor Density: Not available	pH: Not available
Density (g/cm3): 1.15	Melting point: Not available
Freezing point: Not available	Solubility: Not available
Boiling range: Not available	Flash point: 110°C, 230°F
Evaporation rate: Not available	Flammability: Not available
Explosive Limits: Not available	Partition coefficient (n-octanol/water): Not available
Autoignition temperature: Not available	Decomposition temperature: Not available
Viscosity: Not available	Grams VOC less water: Not available

Section 10 - Stability and Reactivity

Stability:

STABLE

Components of this mixture are incompatible with the following materials:

Organic Acids
Mineral Acids
Strong Oxidizers
Peroxides
Sodium Hypochlorite
Strong Acids
Amines
Alkalies

This mixture is likely to exhibit the following combustion products:

Carbon Dioxide, Carbon Monoxide
Nitrogen Oxides
Ammonia
Phenol

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity:

Oral Toxicity LD50: 4,000mg/kg

Component Toxicity:

28064-14-4	Epoxy Phenol Novalac Resin
	Oral LD50: 2,000 mg/kg (rat)
68609-97-2	Alkyl c12 - c14 glycidyl ether
	Oral LD50: 17 g/kg (rat) Dermal LD50: 4,500 mg/kg (rabbit)
130328-20-0	Silver Zinc Zeolite
	Oral LD50: 5 g/kg (Rat) Dermal LD50: 2 g/kg (Rat)

Routes of Entry:

Inhalation Skin Contact Eye Contact Ingestion

Exposure to this material may affect the following organs:

No Data

The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing):

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			No Data

Section 12 - Ecological Information

Component Ecotoxicity:

Epoxy Phenol Novalac Resin	LC50 10 mg/l fish 96h; EC50 10 mg/l water flea 48h
Alkyl c12 - c14 glycidyl ether	EC50 10 mg/l water flea 48h
Silver Zinc Zeolite	LC50 0.82 mg/l fish 96hr LC50 0.33 mg/l water flea 48hr NOEC 0.0054 mg/l algae 72hr NOEC 0.039 mg/l fish 30d

Section 13 - Disposal Considerations

Waste disposal Methods: Dispose in accordance with Federal, State and Local regulations.

Section 14 - Transport Information

This material is classified for transport as follows:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Environmentally Hazardous Substance, Liquid, N.O.S., (Silver Zinc Zeolite)	3082	III	9
IATA				
IMDG				

Section 15 - Regulatory Information

Additional regulatory listings, where applicable:

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

- None

Materials not included on the Canada DSL inventory:

- None

Commonwealth of Massachusetts "Right to Know": This product contains the following toxic or hazardous substances which appear on the Massachusetts Substance List:

- None

NJ "Right to Know": This product contains the following toxic or hazardous substances which appear on the New Jersey Substance List:

- None

Pennsylvania "Right to Know": This product contains the following toxic or hazardous substances which appear on the Pennsylvania Substance List:

- None

EPA SARA Title III Section 313 (40 CFR 372) components above 'de minimum' level:

Silver Zinc Zeolite 130328-20-0

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

- None

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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EU Risk Phrases

Safety Phrase

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

- None

EPA SARA Title III Section 313 (40 CFR 372) compnenets above 'de minimum' level:

Section 16 - Other Information

For further information, please contact the Product Safety director. The information and recommendations contained herein are, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the chemical is the sole responsibility of the user. Users of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely. No representations or warranties, either expressed or implied of merchantability, fitness for a particular purpose, or any other nature, are made hereunder with respect to the information contained herein, or to the chemical to which the user refers.

Date Revised: 2019-11-25

Revision #: 1