

Material Safety Data Sheet

Material Name: ARDEX WA PART A - RESIN

MSDS ID: WWHC-013

*** Section 1 - Chemical Product and Company Identification ***

Material Name: Epoxy Resin

Product Use: Grout

Synonyms: WA PART A; WA RESIN

Manufacturer Information

Ardex Engineered Cements
400 Ardex Park Dr.
Aliquippa, PA 15001

Non-Emergency Phone #: 724-203-5000

Emergency #: +1-800-255-3924 (CHEM-TEL)

*** Section 2 - Hazards Identification ***

Emergency Overview

CAUTION Causes skin irritation and eye irritation. May cause allergic reactions.

Hazard Statements

Avoid breathing dust or vapor. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated skin contact with this material. Wash thoroughly after handling. Clean contaminated clothing, before reuse, or dispose of properly. Keep container tightly closed. Use only with adequate ventilation.

Potential Health Effects: Eyes

Causes irritation. Symptoms may include redness, itching or pain.

Potential Health Effects: Skin

Causes irritation. Symptoms may include redness and itching. Contact may cause an allergic skin reaction.

Potential Health Effects: Ingestion

May cause stomach pain with nausea and vomiting.

Potential Health Effects: Inhalation

Inhalation of vapors may irritate the respiratory system. Symptoms may include coughing and shortness of breath.

Potential Environmental Effects

May cause long-term adverse effects in the aquatic environment.

HMIS Ratings: Health: 2 Fire: 1 Reactivity: 0 Pers. Prot.: gloves, safety glasses

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

CAS	Component	Percent
25068-38-6	Bisphenol A - Epichlorohydrin polymer	10-30
68609-97-2	Alkyl (C12-14) glycidyl ether	5-10
28064-14-4	Bisphenol F-epichlorohydrin polymer	3-7

Component Information/Information on Non-Hazardous Components

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication). This product is a controlled product under the criteria specified in the Canadian Workplace Hazardous Materials Information System (WHMIS).

* * * Section 4 - First Aid Measures * * *

First Aid: Eyes

Immediately flush eyes with large amounts of water, including under the eyelids, for 15-30 minutes. Obtain medical attention if irritation develops or persists.

First Aid: Skin

In case of contact, immediately flush skin with plenty of water. Wash with mild soap if needed to completely remove material. Obtain medical attention if irritation develops or persists.

First Aid: Ingestion

Call a physician if symptoms occur or if large amounts of this material are swallowed. Do not induce vomiting. Never give anything by mouth to an unconscious person.

First Aid: Inhalation

If inhaled, immediately remove the affected person to fresh air. If not breathing, have qualified personnel give artificial respiration and seek medical attention immediately.

* * * Section 5 - Fire Fighting Measures * * *

General Fire Hazards

See Section 9 for Flammability Properties.
Slight fire hazard.

Hazardous Combustion Products

Under conditions of fire, material may decompose and emit carbon monoxide, carbon dioxide, and/or low molecular weight hydrocarbons.

Extinguishing Media

Use extinguishing media appropriate for surrounding materials.

Unsuitable Extinguishing Media

Do not use high-pressure water streams.

Specific Hazards Arising From the Chemical

Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Stay upwind and keep out of low areas.

Fire Fighting Equipment/Instructions

Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

NFPA Ratings: Health: 2 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Sensitivity to Mechanical Impact

Not sensitive

Sensitivity to Static Discharge

Not sensitive

* * * Section 6 - Accidental Release Measures * * *

Personal Precautions

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or dust. Wash thoroughly after handling. Keep container tightly closed.

Containment Procedures

Contain spill with inert material. Block any potential routes to water systems.

Environmental Precautions

May be harmful to aquatic life. Do not flush into sanitary sewer systems, drains or surface water.

Clean-Up Procedures

Ventilate the contaminated area. Collect spilled material. Place in properly labeled closed container. Thoroughly wash the area with water after a spill or leak clean-up.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

None known.

* * * Section 7 - Handling and Storage * * *

Handling Procedures

Observe good hygiene standards. Do not eat, drink or smoke in the work area. Wash thoroughly after handling. Avoid contact with skin and eyes. Avoid repeated or prolonged skin contact. Avoid breathing vapors or mists of this product. Wear protective clothing to prevent skin contact. Promptly remove any clothing that becomes contaminated. Clean contaminated clothing before reuse. Keep container tightly closed. Use only with adequate ventilation.

Storage Procedures

Store in a cool, dry, well-ventilated area. Store in original container. Do not store in open, unlabeled or mislabeled containers. Keep tightly closed when not in use. Keep container upright, when not in use, to prevent leakage. Open containers carefully. Do not reuse empty container without commercial cleaning or reconditioning.

* * * Section 8 - Exposure Controls / Personal Protection * * *

Component Exposure Limits

ACGIH, OSHA, NIOSH and the provinces of Canada have not developed exposure limits for any of this product's components. Consult local authorities for acceptable exposure limits.

Engineering Controls

Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear tight fitting safety goggles. A face shield is recommended if splashing is possible.

Personal Protective Equipment: Skin

Wear chemical resistant protective clothing and impervious gloves. Materials such as nitrile rubber or Viton (fluorocarbon rubber) are recommended.

Personal Protective Equipment: Respiratory

Under normal conditions of use, respiratory protection should not be necessary. If work process generates excessive quantities of vapor or dust, or exposures in excess of any PEL, wear an appropriate organic vapor respirator.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended in the workplace. Use good industrial hygiene practices in handling this material.

* * * Section 9 - Physical & Chemical Properties * * *

Appearance:	White paste	Color:	White
Odor:	Characteristic	Physical State:	Paste
pH:	8 (Diluted)	Vapor Pressure:	Not available
Vapor Density:	Not available	Boiling Point:	Not available
Melting Point:	Not available	Solubility in Water:	Not available
Specific Gravity:	1.52	Flash Point:	>390°F
Flash Point Method:	Not available	Lower Flammability Limit:	Not available
Auto Ignition:	Not available	Upper Flammability Limit:	Not available
Decomposition Temperature:	Not available	Evaporation Rate:	Not available
Viscosity:	Not available	Percent Volatile:	0.7
VOC:	0 g/L	Octanol/H2O Coeff.:	Not available
Molecular Weight:	Mixture		

* * * Section 10 - Chemical Stability & Reactivity Information * * *

Chemical Stability

Stable under normal conditions of use.

Conditions to Avoid

Avoid prolonged exposure to heat.

Incompatibility

May be incompatible with strong oxidizing agents.

Hazardous Decomposition

Under conditions of fire, material may decompose and emit carbon monoxide, carbon dioxide, and/or low molecular weight hydrocarbons.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

* * * Section 11 - Toxicological Information * * *

Acute Dose Effects

Causes skin and eye irritation. Vapors may cause respiratory irritation.

Component Analysis - LD50/LC50

No LD50/LC50's are available for this product's components.

Repeated Dose Effects

Repeated exposure may cause an allergic skin reaction.

Irritation

Causes skin and eye irritation.

Carcinogenicity

Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Sensitization

Contains multiple components which are known to cause sensitization reactions.

Target Organ Effects

immune system (sensitizer)

*** * * Section 12 - Ecological Information * * ***

Ecotoxicity

May be harmful to aquatic life. May cause long-term adverse effects in the aquatic environment.

Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

*** * * Section 13 - Disposal Considerations * * ***

US EPA Waste Number & Descriptions

Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA. You must test your waste using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Waste must be handled in accordance with all federal, state, provincial, and local regulations. In case of large spills, follow all facility Emergency Response Procedures. Do not allow this material to drain into sewers/water supplies.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

*** * * Section 14 - Transportation Information * * ***

US DOT Information

Shipping Name: Environmentally hazardous substances, liquid, n.o.s. (Contains: Bisphenol A - Epichlorohydrin polymer, Alkyl (C12-14) glycidyl ether)

UN/NA #: UN3082 **Hazard Class:** 9 **Packing Group:** III

Required Label(s): 9

TDG Information

Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Contains: Bisphenol A - Epichlorohydrin polymer, Alkyl (C12-14) glycidyl ether)

UN/NA #: UN3082 **Hazard Class:** 9 **Packing Group:** III

Required Label(s): 9

* * * Section 15 - Regulatory Information * * *

US Federal Regulations

No additional information is available.

Component Analysis

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), or TSCA 12(b).

SARA 311/312 Hazardous Categories (40 CFR 370 Subparts B and C)

Acute Health: Yes **Chronic Health:** Yes **Fire:** No **Pressure:** No **Reactive:** No

State Regulations

Other state regulations may apply.

Component Analysis - State

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

Canadian WHMIS Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Classification: D2B

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

Additional Regulatory Information

No additional information is available.

Component Analysis - Inventory

Component	CAS #	TSCA	CAN
Bisphenol A - Epichlorohydrin polymer	25068-38-6	Yes	DSL
Alkyl (C12-14) glycidyl ether	68609-97-2	Yes	DSL
Bisphenol F-epichlorohydrin polymer	28064-14-4	Yes	DSL

* * * Section 16 - Other Information * * *

Other Information

No additional information is available.

MSDS History

New MSDS: July 06, 2012

Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; CAS = Chemical Abstracts Service; CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act; CFR = Code of Federal Regulations; CPR = Controlled Products Regulations; DOT = Department of Transportation; DSL = Domestic Substances List; EINECS = European Inventory of Existing Commercial Chemical Substances; EPA = Environmental Protection Agency; IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; mg/Kg = milligrams per Kilogram; mg/L = milligrams per Liter; mg/m3 = milligrams per Cubic Meter; MSHA = Mine Safety and Health Administration; NA = Not Applicable or Not Available; NIOSH = National Institute for Occupational Safety and Health; NJTSR = New Jersey Trade Secret Registry; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; SARA = Superfund Amendments and Reauthorization Act; TDG = Transport Dangerous Goods; TSCA = Toxic Substances Control Act; WHMIS = Workplace Hazardous Materials Information System.

End of Sheet WWHC-013