

# MATERIAL SAFETY DATA SHEET

Material Name: ARDEX E 25 Resilient

MSDS ID: E25

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

**Product Use:** Admixture



### Manufacturer Information

ARDEX Americas  
400 Ardex Park Drive  
Aliquippa, PA 15001

Visit our website at: <http://www.ardexamericas.com>  
Product Information Phone: 724-203-5000

Emergency # CHEM-TEL: 800-255-3924  
1-813-248-0585 (Call Collect)

## \*\*\* Section 2 - Hazards Identification \*\*\*

### Emergency Overview

CAUTION. May cause minor respiratory tract, eye or skin irritation.

### Hazard Statements

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or dust. Do not eat, drink, or smoke while using this product. Wash thoroughly after handling. Keep container tightly closed. Use only with adequate ventilation.

### Potential Health Effects: Eyes

May cause mild irritation.

### Potential Health Effects: Skin

May cause mild irritation especially if left in contact with the skin for extended periods of time.

### Potential Health Effects: Ingestion

Ingestion is an unlikely route of industrial exposure. May cause gastrointestinal irritation if ingested.

### Potential Health Effects: Inhalation

May cause mild irritation.

**HMIS Ratings: Health: 1 Fire: 1 Reactivity: 0**

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

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

CAS #	Component	Percent
24937-78-8	Ethylene Vinyl Acetate Copolymer	10 - 30

### Component Information/Information on Non-Hazardous Components

This product is not considered hazardous under 29 CFR 1910.1200 (Hazard Communication). This product is not a controlled product under the criteria specified in the Canadian Workplace Hazardous Materials Information System (WHMIS).

Trace impurities and additional material names not listed above may also appear in Section 15 toward the end of the MSDS. These materials may be listed for local "Right-To-Know" compliance and for other reasons.

## \*\*\* 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.

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## 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.  
Material is aqueous and is not flammable.

### 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.

### 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: 1 Fire: 1 Reactivity: 0**

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

## \* \* \* 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

No information is available for the product. Based on component information, material is not expected to be harmful to the environment.

### Clean-Up Procedures

Be aware that spilled material creates a slipping hazard. 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. Do not allow the spilled product to enter public drainage system or open water courses. Wash clothing and equipment after handling.

### Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

### Special Procedures

None known.

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## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures

Observe normal hygiene standards. Avoid contact with skin and eyes. Avoid prolonged or repeated skin contact with this material. Avoid breathing vapors or mists of this product. Wash thoroughly after handling. Clean contaminated clothing before reuse. Open containers in well-ventilated area.

### Storage Procedures

Store in a cool, dry, well-ventilated area. Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use. Protect from frost.

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

### A: 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 safety glasses with side shields.

#### Personal Protective Equipment: Skin

Wear impervious gloves.

#### Personal Protective Equipment: Respiratory

If concentrations exceed exposure limits, wear a NIOSH approved air purifying respirator with appropriate chemical cartridges or a positive-pressure, air supplied respirator. Respirators should be selected by and used under the direction of a trained health and safety professional following the requirements in OSHA's respirator standard (20 CFR 1901.134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical certification, training, fit-testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage, must be implemented.

#### Personal Protective Equipment: General

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

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

<b>Appearance:</b>	Light blue liquid	<b>Odor:</b>	Mild
<b>Physical State:</b>	Liquid	<b>pH:</b>	2.5 – 3.0
<b>Vapor Pressure:</b>	Not available	<b>Vapor Density:</b>	Not available
<b>Boiling Point:</b>	>212° F (>100° C)	<b>Melting Point:</b>	Not available
<b>Solubility (H2O):</b>	Dispersible	<b>Specific Gravity:</b>	1.03 - 1.05
<b>Viscosity:</b>	<500 cP.s	<b>Bulk Density:</b>	8.6 - 8.8 lbs/gal
<b>Percent Volatile:</b>	70-75% (includes water)	<b>Auto Ignition</b>	Not applicable
<b>Flash Point</b>	Not applicable	<b>Flash Point Method</b>	Not applicable
<b>LFL</b>	Not applicable	<b>UFL</b>	Not applicable
<b>VOC Content:</b>	0 g/L	<b>Acid Reserve</b>	0.2 – 0.4 g NaOH/100 ml

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

### Chemical Stability

Material is stable.

### Conditions to Avoid

None known.

### Incompatibility

None known.

### 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

Will not occur under normal conditions.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute Dose Effects

#### A: General Product Information

May cause mild eye or skin irritation.

#### B: Component Analysis - LD50/LC50

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

### Repeated Dose Effects

May cause skin or eye irritation after repeated or prolonged contact.

### Irritation

Material may cause mild eye or skin irritation especially after repeated or prolonged contact.

### Carcinogenicity

#### A: General Product Information

No information available for the product.

#### B: Component Carcinogenicity

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

## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

#### A: General Product Information

No information available for the product. Based on component information, product is not expected to be harmful to the environment.

#### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

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

### Environmental Fate

No information available for the product.

### Persistence & Degradability

No information available for the product.

### Bioaccumulation & Accumulation

No information available for the product.

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## Mobility in Environmental Media

No information available for the product.

## Other Adverse Effects

No information available for the product.

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### US EPA Waste Number & Descriptions

#### A: General Product Information

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.

#### B: 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:** Not regulated for transportation by any mode.

### TDG Information

**Shipping Name:** Not regulated for transportation by any mode.

## \*\*\* Section 15 - Regulatory Information \*\*\*

### US Federal Regulations

#### A: General Product Information

No information available for the product.

#### B: Component Analysis

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

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

#### C: Component Marine Pollutants

No information is available.

### State Regulations

#### A: General Product Information

No information available for the product.

#### B: Component Analysis - State

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

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

This product does not contain any chemicals known to the state of California to cause cancer and/or reproductive harm.

## Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

**WHMIS Classification:** Not a controlled product under WHMIS.

## Additional Regulatory Information

### A: General Product Information

No information available for the product.

### B: Component Analysis - Inventory

Component	CAS #	TSCA	CAN DSL	EINECS
Ethylene Vinyl Acetate Copolymer	24937-78-8	Yes	YES	No

## \* \* \* Section 16 - Other Information \* \* \*

### Other Information

None known.

### 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 E25