

SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Manufacturer's name and address:



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

Supplier's name and address:

Refer to Manufacturer

Information Telephone No. : (888) 512-7339 or (724) 203-5000
Website Address : <http://www.ardexamericas.com>
24 Hr Emergency Telephone # : CHEM-TEL: 1-800-255-3924 OR 1-813-248-0585 (call collect)
Product Identifier : **ARDEX E 25**
Product ID No. : 70011291
Trade Name/Synonyms : E 25
Material Use : Resilient Emulsion
Uses Advised Against : No information available.

SECTION 2 – HAZARDS IDENTIFICATION

GHS Classification per 29 CFR 1910.1200 (OSHA HCS 2012) and HPR (WHMIS 2015)

: Carcinogenicity (Category 2B)

GHS Symbols :



Signal Word : Warning!

Hazard statements : Suspected of causing cancer.

Precautionary statements : Obtain special instructions before use.
Do not breathe vapors or mist.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as required.
Dispose of contents / container in accordance with federal, state, and local.
Do not allow product to enter drains.

Hazards Not Otherwise Classified : None

% With Unknown Acute Toxicity : Less than 1% by weight of this product is comprised of ingredients with unknown acute toxicity.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (by weight)
Vinyl acetate	108-05-4	0.10 - 1.00

The exact percentages of the ingredients have been withheld by the manufacturer as trade secrets.

SECTION 4 – FIRST AID MEASURES

- Inhalation : If inhaled, move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If not breathing, clear airway and start artificial respiration. Seek immediate medical attention/advice.
- Skin contact : Remove/Take off immediately all contaminated clothing. Flush affected skin with gently flowing lukewarm water for at least 20 minutes. Seek immediate medical attention/advice.
- Eye contact : Immediately flush eyes thoroughly with running water for at least 20 to 30 minutes. Seek immediate medical attention/advice.
- Ingestion : Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting. Seek immediate medical attention/advice.
- Notes for Physician : Treat symptomatically.

Signs and symptoms of short-term (acute) exposure

- Inhalation* : May cause slight irritation of the nose and throat.
- Skin* : Direct skin contact may cause slight or mild, transient irritation.
- Eyes* : May cause mild transient irritation.
- Ingestion* : Ingestion of large amounts may cause stomach irritation. May cause nausea, vomiting, and diarrhea.

Effects of long-term (chronic) exposure

- : Prolonged skin contact may cause skin irritation.

SECTION 5 – FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability

- : Not flammable under normal conditions of use. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

Flammability classification (OSHA 29 CFR 1910.1200 and WHMIS 2015)

- : Non-flammable

- | | | | |
|----------------------------------|------------------|---|------------------|
| Flash point | : Not applicable | Lower flammable limit (% by vol) | : Not applicable |
| Flash point method | : Not applicable | Upper flammable limit (% by vol) | : Not applicable |
| Auto-ignition temperature | : N/Av | Oxidizing properties | : None |
| Flame projection length | : Not applicable | Flashback observed | : Not applicable |

Explosion data: Sensitivity to mechanical impact / static discharge

- : Not expected to be sensitive to mechanical impact or static discharge.

- Suitable extinguishing media** : Dry chemical, carbon dioxide and foam, water spray.

Special fire-fighting procedures/equipment

- : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. After fires have been extinguished, carefully clean all equipment and surfaces exposed to fumes.

- Hazardous combustion products** : vinyl acetate; acetic acid; Aldehydes; Carbon oxides.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Wear chemically resistant personal protective equipment during cleanup. Restrict access to area until completion of clean-up. All persons dealing with clean-up should wear the appropriate chemically protective equipment. Product may create a slip hazard when spilled. Refer to Section 8 on this Safety Data Sheet,

pH	: 2.5 – 3.0	Specific gravity	: 1.03 – 1.05
Boiling point	: N/Av	Coefficient of water/oil distribution	: N/Av
Melting/Freezing point	: N/Av	Solubility in water	: miscible
Vapor pressure (mm Hg @ 20°C / 68°F)	: N/Av	Evaporation rate (n-Butyl acetate = 1)	: N/Av
Vapor density (Air = 1)	: N/Av	Volatiles (% by weight)	: 57 - 60
Volatile organic compounds (VOCs)	: 2 g/L	General information	: N/Av
Particle size	: N/Av	Flammability properties	: See Section 5.

SECTION 10 – REACTIVITY AND STABILITY INFORMATION

Stability and reactivity	: Stable under the recommended storage and handling conditions prescribed.
Hazardous polymerization	: Hazardous polymerization does not occur.
Conditions to avoid	: Extreme heat. Do not use in areas without adequate ventilation.
Materials to avoid and incompatibility	: Oxidizing agents; Acids.
Hazardous decomposition products	: None known, refer to hazardous combustion products in Section 5.

SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of Exposure	: <i>Inhalation</i> : YES <i>Skin Absorption</i> : YES <i>Skin and Eyes</i> : Yes <i>Ingestion</i> : YES
Calculated Acute Toxicity Estimates for the Product	
<i>Inhalation</i>	: > 40 mg/L
<i>Oral</i>	: > 4000 mg/kg
<i>Dermal</i>	: > 4000 mg/kg
Toxicological data	: See below for individual ingredient acute toxicity data.

Ingredients	LC50 (4 hr)	LD50	
	Inhalation, rat, mg/L	Oral, rat, mg/kg	Dermal, rabbit, mg/kg
Vinyl acetate	14.1	2900	2335

Carcinogenic status	: Contains vinyl acetate. Vinyl acetate is classified as carcinogenic by IARC (Group 2B, <i>possibly carcinogenic to humans</i>) and ACGIH (Category A3, <i>Confirmed animal carcinogen with unknown relevance to humans</i>).
Reproductive effects	: None known. Not expected to cause reproductive effects.
Teratogenicity	: None known. Not expected to be teratogenic.
Mutagenicity	: None known. Not expected to be mutagenic.
Epidemiology	: Not available.
Sensitization to material	: Not expected to cause sensitization.
Synergistic materials	: N/Av
Irritancy	: Mild.
Other important hazards	: See Section 2 for additional information.

SECTION 12 – ECOLOGICAL INFORMATION

Environmental effects	: The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.
Important environmental characteristics	: N/Av
Ecotoxicity	: No data available.
Biodegradability	: No data available.
Bioaccumulative potential	: No data available.
Mobility in soil	: No data available.
PBT and vPvB assessment	: No data available.
Other adverse effects	: No data available.

SECTION 13 – DISPOSAL CONSIDERATION

- Handling for disposal** : Handle waste according to recommendations in Section 7.
- Methods of disposal** : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.
- RCRA** : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14 – TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	Not regulated	Not Regulated	None	
TDG Additional Information	None				
49 CFR/DOT	None	Not regulated	Not Regulated	None	
49 CFR/DOT Additional Information	None				

SECTION 15 – REGULATORY INFORMATION

Canadian Information:

This product has been classified according to the hazard criteria of the Hazardous Products Regulations (HPR). This SDS contains all of the information required by the HPR.

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on either the Domestic Substances List (DSL) or the Non- Domestic Substances List (NDSL).

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

CERCLA Reportable Quantity (RQ) (40 CFR 117.302): None reported.

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes:

Chronic Health Hazard.

Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This product may be subject to SARA notification requirements, since it contains Toxic Chemical constituents above their de minimus concentrations. This product contains: vinyl acetate.

U.S. State Right To Know Laws

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer and/or reproductive harm.

Other U.S. State "Right to Know" Lists: The following chemicals are specifically listed by individual States: vinyl acetate (CA, FL, MA, MN, NJ, PA, RI).

SECTION 16 – OTHER INFORMATION

HMIS Rating : * - Chronic Hazard 0 - Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Severe
*Health: *1 Flammability 1 Physical Hazard 0* PPE: Gloves, safety glasses

Legend :

- ACGIH: American Conference of Governmental Industrial Hygienists
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- DOT: Department of Transportation
- DSL: Domestic Substances List
- EPA: Environmental Protection Agency
- GHS: Globally Harmonized System
- HPR: Hazardous Products Regulations
- IARC: International Agency for Research on Cancer
- Inh: Inhalation
- N/Av: Not Available
- N/Ap: Not Applicable
- NIOSH: National Institute of Occupational Safety and Health
- NTP: National Toxicology Program
- OSHA: Occupational Safety and Health Administration
- PEL: Permissible exposure limit
- RCRA: Resource Conservation and Recovery Act
- SARA: Superfund Amendments and Reauthorization Act
- STEL: Short Term Exposure Limit
- TDG: Canadian Transportation of Dangerous Goods Act & Regulations
- TLV: Threshold Limit Values
- TSCA: Toxic Substance Control Act
- TWA: Time Weighted Average
- WHMIS: Workplace Hazardous Materials Identification System

Disclaimer of Liability

The Information presented herein is supplied as a guide to those who handle or use this product and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive. The manner and conditions of use and handling may involve other and additional considerations. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

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