

Material Safety Data Sheet

Material Name: ARDEX K 60™ ARDITEX Liquid

MSDS ID: WWHC-013

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

Product Use: Rapid Setting Latex Smoothing and Leveling Compound Admix

Manufacturer Information

ARDEX Engineered Cements
400 Ardex Park Drive
Aliquippa, PA 15001

Phone: 724-203-8499

Emergency # CHEM-TEL: 800-255-3924
OR 1-813-248-0585 (call collect)

*** Section 2 - Hazards Identification ***

Emergency Overview

CAUTION. May cause mild eye or skin irritation.

Hazard Statements

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or dust. 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

Material is an aqueous substance and is not expected to cause respiratory irritation or other hazards.

HMIS Ratings: Health: 1 Fire: 0 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
Proprietary	Acrylic Acid Ester/Styrene Copolymer	10-30
Proprietary	Acrylic Acid Ester Copolymer	1-5

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: 0 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 ***

Appearance:	White liquid	Odor:	Slightly sweet
Physical State:	Liquid	pH:	5.5-7.5
Vapor Pressure:	Not available	Vapor Density:	Not available
Boiling Point:	>212° F (>100° C)	Melting Point:	>32° F (>0° C)
Solubility (H2O):	Miscible	Specific Gravity:	1.01-1.03
Viscosity:	<500 cP.s	Bulk Density:	8.4-8.6 lbs/gal
Percent Volatile:	83-86%	VOC	0 g/L
Flash Point	Not applicable	Flash Point Method	Not applicable
LFL	Not applicable	UFL	Not applicable

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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 product's 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):

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

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.

*** 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 WWHC-013

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Manufacturer's name and address:



ARDEX Engineered Cements
 400 Ardex Park Drive
 Aliquippa, PA, US
 15001

Supplier's name and address:

Refer to Manufacturer

Information Telephone No. :

(724) 203-5000 or (888) 512-7339
 Visit our Website: <http://www.ardex.com>

24 Hr. Emergency Tel # :

CHEM-TEL: 1-800-255-3924 OR 1-813-248-0585 (call collect)

Product Identifier :

ARDEX K 60™ ARDITEX Powder

Chemical Name :

N/Ap

Chemical Family :

N/Ap

Chemical Formula :

N/Ap

Trade Name/Synonyms :

ARDEX K 60™ ARDITEX Powder

Molecular Weight :

N/Ap

Material Use :

Rapid Setting Latex Smoothing and Leveling Compound

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Grey powder. No odor.

DANGER!

Corrosive. Causes eye burns. May cause skin burns. Contact with wet material, or moist areas of the skin, causes skin burns. Symptoms may be delayed. May cause respiratory irritation.

Contains material which can cause lung damage. Possible cancer hazard - contains material which may cause cancer.

WHMIS Classification :

Class D2A (Materials Causing Other Toxic Effects, Very Toxic Material);
 Class E (Corrosive Material)

OSHA Classification :

This material is classified as hazardous under OSHA regulations (29CFR 1910.1200).

HMIS Rating :

* - Chronic hazard 0 – Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Severe
Health: *3 *Flammability:* 1 *Reactivity:* 1

POTENTIAL HEALTH EFFECTS

Target organs :

Lungs; Eyes; Skin.

Routes of exposure :

Inhalation YES *Skin Absorption:* NO *Skin & Eyes:* YES *Ingestion:* YES

Signs and symptoms of short-term (acute) exposure

Inhalation : May cause severe irritation to the nose, throat and respiratory tract. Symptoms may include coughing, shortness of breath, wheezing and reduced lung function.

Skin : Direct contact may cause mild to severe irritation with possible burns. Contact with wet material, or moist areas of the skin, causes skin burns. Skin thickening, cracking, or fissuring may also occur. Symptoms may be delayed.

Eyes : Direct contact may strongly irritate or burn the eyes. Could cause blindness.

Ingestion : May cause severe irritation to the mouth, throat and stomach. Symptoms may include burning pain, vomiting and diarrhea.

Effects of long-term (chronic) exposure

: Prolonged inhalation may cause adverse lung effects with symptoms including coughing, mucous production and difficulty breathing. Repeated or prolonged inhalation of fine dusts may cause severe scarring of the lungs, a disease called silicosis, and alveolar proteinosis (lower lung disease). Symptoms may include coughing, shortness of breath and eventually severe respiratory impairment.

Conditions aggravated by overexposure

: Pre-existing skin, eye and respiratory disorders.

Carcinogenic status :

Cancer hazard. See TOXICOLOGICAL INFORMATION, Section 11.

Additional health hazards :

See TOXICOLOGICAL INFORMATION, Section 11.

Potential environmental effects

: See ECOLOGICAL INFORMATION, Section 12.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (weight)	ACGIH TLV		OSHA PEL	
			TWA	STEL	PEL	STEL
Calcium aluminate	65997-16-2	10.00 - 30.00	N/Av	N/Av	N/Av	N/Av
Calcium carbonate	1317-65-3	10.00 - 30.00	10mg/m ³	N/Av	15 mg/m ³ (Total dust); 5 mg/m ³ (respirable)	N/Av
Portland cement	65997-15-1	1.00 - 5.00	10 mg/m ³	N/Av	15 mg/m ³ (Total dust); 5 mg/m ³ (respirable)	N/Av
Vinyl acetate copolymer	24937-78-8	1.00 - 5.00	*10 mg/m ³ (inhalable); *3 mg/m ³ (respirable)	N/Av	*15 mg/m ³ (Total dust); *5 mg/m ³ (respirable)	N/Av
Calcium sulfate	7778-18-9	1.00 - 5.00	*10 mg/m ³ (inhalable fraction)	N/Av	*15 mg/m ³ (total dust); 5 mg/m ³ (respirable fraction)	N/Av
Crystalline silica, quartz	14808-60-7	30.00 - 60.00	0.025 mg/m ³ (respirable fraction)	N/Av	0.1 mg/m ³ (respirable) (final rule limit)	N/Av

*Note: The OSHA PEL's and ACGIH TLV's listed above for Vinyl acetate copolymers are for 'Particulates Not Otherwise Specified / Regulated'. The OSHA PEL's and ACGIH TLV listed above for Calcium sulfate are for 'Particulates not otherwise specified / regulated'.

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. Have victim drink one to two glasses of water. Seek immediate medical attention/advice.
- Notes For Physician** : Treat symptomatically.

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. Contact with water may cause hydration, and formation of caustic alkaline material.

Flammability classification (OSHA 29 CFR 1910.1200)

- : Non-flammable.

Flash point

- : Not applicable.

Flash point Method

- : Not applicable.

Auto-ignition temperature : N/Av

Lower flammable limit (% by vol.)

- : Not applicable.

Upper flammable limit (% by vol.)

- : Not applicable.

Oxidizing properties

- : None.

Flame Projection Length

- : Not applicable.

Flashback observed

- : Not applicable.

Explosion data: Sensitivity to mechanical impact / static discharge

: Not available.

Suitable extinguishing media : Dry chemical, carbon dioxide and foam. Do not use water. Contact with water may cause hydration, and formation of caustic alkaline material.

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

: Sulfur oxides; calcium oxide; vinyl acetate; acetic acid; Aldehydes; Carbon oxides.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions : Corrosive! 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. Refer to Section 8 on this Safety Data Sheet, EXPOSURE CONTROLS / PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.

Environmental precautions : Do not allow product to enter waterways. Do not allow material to contaminate ground water system.

Spill response/cleanup : Ventilate area of release. Eliminate all ignition sources. Stop spill or leak at source if safely possible. Contain material, preventing it from entering sewer lines or waterways. Using HEPA vacuum, or other dustless methods, gather up spilled material and place in suitable container for later disposal (see section 13). Avoid adding water, material becomes alkaline when wet. Notify the appropriate authorities as required.

Prohibited materials : Avoid adding water, material becomes alkaline when wet.

Special spill response procedures

: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8002).
US CERCLA Reportable quantity (RQ): None reported.

SECTION 7 - HANDLING AND STORAGE

Safe Handling procedures : Corrosive! Wear chemically resistant protective equipment during handling. Use in a well-ventilated area. Training the workers on the potential health hazards associated with product vapor, dust or fume is important. Secondary inhalation exposures could occur when cleaning equipment, or when removing or laundering the clothing. Do not breathe vapors/dust. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Avoid wet or humid conditions. Keep away from acids and incompatibles. Avoid and control operations which create dust. Keep containers tightly closed when not in use. Wash thoroughly after handling.

Storage requirements : Store in a cool, dry, well-ventilated area. No smoking in the area. Do not store near any incompatible materials (see Section 10). Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Protect against physical damage.

Incompatible materials : See Section 10.

Special packaging materials : Always keep in containers made of the same materials as the supply container.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering measures

: Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

Respiratory protection : Respiratory protection is required if the concentrations exceed the TLV. If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised.

Skin protection : Impervious gloves must be worn when using this product. Advice should be sought from glove suppliers.

Eye / face protection : Chemical goggles must be worn to prevent dusts from entering the eyes.

Other protective equipment : Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. An eyewash station and safety shower should be made available in the immediate working area.

General hygiene considerations

: Avoid contact with eyes, skin and clothing. Do not breathe vapors/dust. Do not eat, drink or smoke when using this product. Clean all equipment and clothing, and shower with mild soap and water to remove dusts, at end of each work shift.

Permissible exposure levels : For individual ingredient exposure levels, see Section 3.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: fine powder (Solid)	Appearance	: Grey powder.
Odor	: No odor.	Odor threshold	: N/Av
pH	: 10 - 12		
Boiling point	: N/Av	Specific gravity	: 2.7 - 3.1
Melting/Freezing point	: N/Av	Coefficient of water/oil distribution	: N/Av
		Solubility in water	: < 55 g/L
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)	: 0
Volatile organic Compounds (VOC's)	: 0 %	General Info.	: Weight / Gallon: N/Av
Particle size	: N/Av		

SECTION 10 - REACTIVITY AND STABILITY DATA

Stability and reactivity : Stable under the recommended storage and handling conditions prescribed. Contact with water may cause hydration and formation of caustic calcium hydroxide.

Hazardous polymerization : Hazardous polymerization does not occur.

Conditions to avoid : Avoid wet or humid conditions. Extreme heat.

Materials To Avoid And Incompatibility : Acids; Oxidizing agents; Ammonium salts; Water. Avoid contact with aluminum.

Hazardous decomposition products : None known, refer to hazardous combustion products in Section 5.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicological data : There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

<u>Ingredients</u>	<u>LC50(4hr)</u> <u>inh, rat</u>	<u>LD50</u>	
		<u>oral</u>	<u>dermal</u>
Calcium aluminat	N/Av	N/Av	N/Av
Calcium carbonate	N/Av	6450 mg/kg (rat)	N/Av
Portland cement	N/Av	N/Av	N/Av
Vinyl acetate copolymer	N/Av	> 1000 mg/kg (rat)	N/Av
Calcium sulfate	N/Av	> 3000 mg/kg (rat)	N/Av
Crystalline silica, quartz	N/Av	N/Av	N/Av

Carcinogenic status : This product contains Crystalline silica - Quartz. Crystalline silica - Quartz is classified as carcinogenic by IARC (Group 1), ACGIH (Group A2), NTP (Group 1) and OSHA (OSHA Select carcinogen).

Reproductive effects : None known.

Teratogenicity : None known.

Mutagenicity : None known.

Epidemiology : Not available.

Sensitization to material : Portland Cement may cause an allergic skin reaction, in hypersensitive individuals possibly due to trace amounts of chromium.

Synergistic materials : N/Av

Irritancy : Moderately irritating to corrosive.

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

Ecotoxicological : No data is available on the product itself.

SECTION 13 - DISPOSAL CONSIDERATIONS

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.				
49CFR/DOT	None	Not regulated.	Not regulated	none	
49CFR/DOT Additional information	None.				

SECTION 15 - REGULATORY INFORMATION

Canadian Information:

Canadian WHMIS Classification: This product is a WHMIS Controlled Product. It meets one or more of the criteria for a controlled product provided in Part IV of the Controlled Products Regulations (CPR). Refer to Section 2 for a WHMIS Classification for this product.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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

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. 313, Toxic Chemicals Notification, 40 CFR 372: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above de minimus concentrations.

US State Right to Know Laws:

California Proposition 65: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm. This product contains: Crystalline silica, quartz.

SECTION 16 - OTHER INFORMATION

- 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
 - 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

- References** :
1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2012.
 2. International Agency for Research on Cancer Monographs, searched 2012.
 3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2012 (Chempendium and RTECs).
 4. Material Safety Data Sheet from manufacturer.
 5. US EPA Title III List of Lists - October 2012 version.
 6. California Proposition 65 List - April 19, 2013 version.

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.

No warranty of any kind is given or implied. ARDEX Engineered Cements will not be liable for any damages, losses, injuries or consequential damages which may result from the use or reliance on any information contained herein. This Material Safety Data Sheet is valid for three (3) years.

Prepared By:

ARDEX Engineered Cements

400 Ardex Park Drive

Aliquippa, PA, US

15001

(724) 203-5000

Visit our Website: <http://www.ardex.com>

MSDS Preparation Date (dd/mm/yyyy)

: 13/06/2013

END OF DOCUMENT