# SAFETY DATA SHEET

## SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Identifier : **HENRY® 625F RestorePro™ Concrete Resurfacer Fine Finish**
Product ID No. : 70011222
Trade Name/Synonyms : Henry 625F
Material Use : Cement-Based Resurfacing Compound
Uses Advised Against : Use only as recommended in the product's Technical Data Sheet.

**Manufacturer's name and address:**

ARDEX L.P.
400 Ardex Park Dr.
Aliquippa, PA 15001 USA

**Supplier's name and address:**

Refer to Manufacturer

Information Telephone No. : (724) 203-8000
Website Address : http://www.wwhenry.com
**24 Hr Emergency Telephone #** : **CHEM-TEL: 1-800-255-3924 OR 1-813-248-0585 (call collect)**

## SECTION 2 – HAZARDS IDENTIFICATION

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

Skin corrosion/irritation, Category 1
Serious eye damage/eye irritation, Category 1
Carcinogenicity, Category 1
Specific target organ toxicity, repeated exposure, Category 1.

**GHS Pictograms**

**Signal Word**

Danger

**Hazard Statements**

Causes severe skin burns and eye damage.
May cause cancer by inhalation.
Causes damage to lungs through prolonged or repeated inhalation.

**Precautionary Statements**

Obtain special instructions before use. (See Section 7.) Do not handle until all safety precautions have been read and understood. Do not breathe dust. Use only in a well-ventilated area. Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection. Wash contaminated clothing before reuse. Keep container tightly closed. Protect from sunlight. Store locked up. Dispose of contents / container in accordance with federal, state, and local laws. Do not allow product to enter drains.

**Hazards Not Otherwise Classified**

None

**% With Unknown Acute Toxicity** : Up to 89% by weight of this product consists of ingredients with unknown acute toxicity.

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients | CAS # | % (by weight) |
|---|---|---|
| Crystalline silica, quartz | 14808-60-7 | 30 – 60 |
| Calcium aluminate cement | 65997-16-2 | 30 – 60 |
| Portland cement | 65997-15-1 | 1 – 5 |
| Limestone | 1317-65-3 | 1 – 5 |
| VA/E copolymer | 24937-78-8 | 1 - 5 |
| Amorphous fumed silica | 69012-64-2 | 1 – 5 |

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

## SECTION 4 – FIRST AID MEASURES

**General** : Call a Poison Center or doctor if you feel unwell.

**Inhalation** : Remove person to fresh air and keep at rest in a position comfortable for breathing. Get medical attention.

**Skin contact** : Remove contaminated clothing. Flush affected skin with water. If irritation or rash occurs, seek medical attention/advice.

**Eye contact** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

**Ingestion** : Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

**Notes for Physician** : Treat symptomatically.

**Signs and symptoms of short-term (acute) exposure**

*Inhalation* : Symptoms may include coughing and shortness of breath.

*Skin* : Symptoms may include redness and itching. Contact with wet material, or moist areas of skin, causes skin burns. Skin thickening, cracking, or fissuring may occur.

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

*Ingestion* : Symptoms such as gastric pain, nausea, vomiting, and diarrhea may occur.

**Effects of long-term (chronic) exposure**

: Prolonged inhalation may cause adverse lung effects with symptoms including coughing and shortness of breath. Repeated or prolonged inhalation of fine dusts may cause severe scarring of the lungs, a disease called silicosis, and alveolar proteinosis (lower lung disease). Silicosis has been linked to kidney damage and autoimmune disorders.

**Indication of need for immediate medical attention or special treatment**

: Difficulty breathing persists after removing the person to fresh air.
Any burn to the skin.
Any exposure to the eye which causes irritation.
Ingestion.

## SECTION 5 – FIRE FIGHTING MEASURES

**Suitable extinguishing media** : Carbon dioxide, dry chemical powder, foam.

**Unsuitable extinguishing media** : Water. Water will damage the paper bags. Contact of the product with water will form caustic alkaline material.

**Hazardous combustion products** : Calcium oxide, calcium oxalate, acetic acid, formic acid, formaldehydes, carbon monoxide, and carbon dioxide.

**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.

**Environmental precautions** : Do not allow material to enter drains or contaminate ground water system.

**Fire hazards/conditions of flammability**

: Product is not flammable. Packaging is paper and plastic.

**Flammability classification (OSHA 29 CFR 1910.1200, WHMIS 2015)**

: Not flammable

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Personal precautions** : Restrict access to area until completion of clean-up. All persons dealing with clean-up should wear the appropriate chemically protective equipment.

**Protective equipment** : Refer to Section 8 for additional information on acceptable personal protective equipment.

**Emergency Procedures** : This product does not contain chemicals requiring EPA notification for spills. In case of a chemical spill, call the emergency telephone number listed in Section 1.

US CERCLA Reportable quantity (RQ): None reported.

**Methods and materials for containment and cleaning up**

: Ventilate area of release. 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). Notify the appropriate authorities as required.

**Prohibited materials** : Avoid adding water. This product becomes alkaline when wet.

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

**Reference to other sections** : See Section 13 for disposal information.

## SECTION 7 – HANDLING AND STORAGE

**Special instructions** : Use ventilation to control levels of dust in the work area.

**Safe handling procedures** : Wear chemically resistant protective equipment during handling. Use in a well-ventilated area. Training the workers on the potential health hazards associated with product dust is important. Secondary inhalation exposures could occur when cleaning equipment, or when removing or laundering the clothing. Do not breathe dust. Avoid and control operations which create dust. Keep containers tightly closed when not in use. Wash hands and exposed skin thoroughly after handling.

**Storage requirements** : Store in a cool, dry place. Store away from heat and open flame. Avoid storing in direct sunlight. Store in original container. Keep tightly closed when not in use. Store locked up. Keep out of reach of children.

**Incompatible materials** : Keep away from strong acids and oxidizing agents. (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

**Permissible Exposure Limits** : No exposure limits have been established for the product itself. Below are exposure limits for the components in the product.

| Threshold Limit Values | CAS # | ACGIH TLV | OSHA PEL |
|---|---|---|---|

| for the Ingredients | | TWA | STEL | PEL | STEL |
|---|---|---|---|---|---|
| Limestone | 1317-65-3 | TLV Withdrawn In 2007 | N/Av | 15 mg/m$^3$ (Total dust); 5 mg/m$^3$ (respirable) | N/Av |
| Calcium aluminate cement | 65997-16-2 | 1 mg/m$^3$ (as Aluminum metal and insoluble compounds) | N/Av | N/Av | N/Av |
| Portland cement | 65997-15-1 | 1 mg/m$^3$ (respirable, no asbestos and < 1% crystalline silica) | N/Av | 15 mg/m$^3$ (Total dust); 5 mg/m$^3$ (respirable) | N/Av |
| VA/E copolymer | 24937-78-8 | 10 mg/m$^3$ (Total dust); 3 mg/m$^3$ (respirable) | N/Av | 15 mg/m$^3$ (Total dust); 5 mg/m$^3$ (respirable) | N/Av |
| Crystalline silica, quartz | 14808-60-7 | 0.025 mg/m$^3$ (respirable fraction) | N/Av | 0.05 mg/m$^3$ (respirable) (final rule limit) | N/Av |
| Amorphous fumed silica | 69012-64-2 | 2 mg/m$^3$ (respirable) | N/Av | N/Av | N/Av |

**Engineering Controls** : Use general ventilation in combination with local exhaust ventilation with HEPA filtration to maintain air concentrations below recommended exposure limits. Ventilation should effectively remove and prevent buildup of any dust generated from the handling of this product.

**Personal Protective Equipment**

**Eye / face protection** : Safety glasses or chemical goggles must be worn when using this product. Additionally, a face shield is recommended if splashing is possible.

**Skin protection** : Wear chemical resistant protective clothing and impervious gloves. Glove materials such as nitrile rubber or Viton (fluorocarbon rubber) are recommended.

**Body protection** : Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact.

**Respiratory protection** : If work process generates excessive quantities of dust, or exposures in excess of any PEL, wear an appropriate particulate respirator (dust mask). Mask should be rated at N-95 or higher.

**Site safety equipment** : 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 dust. Do not eat, drink or smoke when using this product. Clean all equipment and clothing at end of each work shift. This product contains crystalline silica. Comply with all requirements within OSHA Standard 29 CFR § 1926.1153 **-** Respirable crystalline silica for Construction**.**

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|---|---|
| **Physical state** | : solid | **Appearance** | : gray powder |
| **Odor** | : No odor | **Odor threshold** | : N/Av |
| **pH** | : 10 – 12 | **Specific gravity** | : 2.7 – 3.1 |
| **Boiling point** | : N/Ap | **Coefficient of water/oil distribution** | : N/Av |
| **Melting/Freezing point** | : 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/Ap |
| **Vapor density (Air = 1)** | : N/Av | **Volatiles (% by weight)** | : N/Av |
| **Volatile organic compounds (VOCs)** | : 0 g/L | | |

| | | | |
|---|---|---|---|
| **Particle size** | : N/Av | **Flammability classification** | : Not flammable |
| **Flash point** | : N/Av | **Lower flammable limit (% by vol)** | : Not available |
| **Flash point method** | : N/Av | **Upper flammable limit (% by vol)** | : Not available |
| **Auto-ignition temperature** | : N/Av | **Decomposition temperature** | : Not available |
| **Viscosity** | : Not available | **Oxidizing properties** | : Not available |

**Explosion data: Sensitivity to mechanical impact / static discharge**

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

## SECTION 10 – REACTIVITY AND STABILITY INFORMATION

**Reactivity** : Contact with water may cause hydration and formation of caustic calcium hydroxide.

**Stability** : Stable under the recommended storage and handling conditions prescribed.

**Hazardous reactions** : Hazardous polymerization does not occur.

**Conditions to avoid** : High temperatures.

**Materials to avoid and incompatibility**

: Oxidizing agents. Strong acids.

**Hazardous decomposition products**

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

## SECTION 11 – TOXICOLOGICAL INFORMATION

**Routes of exposure** : *Inhalation:* YES *Skin Absorption:* NO *Skin and Eyes:* Yes *Ingestion:* YES

**Symptoms of exposure** : See Section 4.

**Calculated Acute Toxicity Estimates for the Product**

*Inhalation* : Not Available

*Oral* : Not Available

*Dermal* : Not Available

**Toxicological data** : There are insufficient data for estimating the product's acute toxicity. See below for individual ingredient acute toxicity data.

| Acute Toxicity Parameters for the Ingredients | CAS # | LC50, Inhalation mg/L, Rat, 4 hr | LD50, Oral mg/kg, rat | LD50, Dermal mg/kg, rabbit |
|---|---|---|---|---|
| Limestone | 1317-65-3 | N/Av | 6,450 | N/Av |
| Calcium aluminate cement | 65997-16-2 | N/Av | N/Av | N/Av |
| Portland cement | 65997-15-1 | N/Av | N/Av | N/Av |
| VA/E copolymer | 24937-78-8 | N/Av | > 1,000 | N/Av |
| Crystalline silica, quartz | 14808-60-7 | N/Av | N/Av | N/Av |
| Amorphous fumed silica | 69012-64-2 | N/Av | >22,500 | N/Av |

**Skin corrosion or irritation** : Causes skin corrosion when wet.

**Serious eye damage / eye irritation**

: Causes eye burns. May cause blindness.

**Respiratory or skin sensitization** : Portland cement may cause an allergic skin reaction, in hypersensitive individuals possibly due to trace amounts of chromium.

**Germ cell mutagenicity** : None known.

**Carcinogenic status** : This product contains Crystalline silica. Crystalline silica (respirable size) is classified as carcinogenic by inhalation by IARC (Group 1), ACGIH (Group A2), NTP (Group 1) and OSHA (OSHA Select carcinogen). No other components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

**Reproductive toxicity** : None known.

**Specific Target Organ Toxicity, Single Exposure**

: May cause respiratory irritation.

**Specific Target Organ Toxicity, Repeated Exposure**

: May cause lung damage (silicosis) upon repeated or prolonged exposure. Silicosis may be accompanied by complications such as kidney damage and autoimmune disorders.

**Aspiration hazard** : None known.

**Additional information** : N/Av

## 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.

**Ecotoxicological** : No data is available on the product itself.

**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.

**Packaging** : Handle contaminated packaging in the same manner as the product.

**RCRA** : 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** | This product is not regulated according to Canadian TDG regulations. | **None** | **None** | **None** |
| **TDG Additional Information** | **None** | | | | |
| **49 CFR/DOT** | **None** | This product is not regulated according to US DOT regulations. | **None** | **None** | **None** |
| **49 CFR/DOT Additional Information** | **None** | | | | |

**Not regulated by IMDG.**
**Not regulated by IATA.**
**Not a Marine Pollutant.**

## 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 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:
Immediate (Acute) health hazard
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 material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above *de minimus* concentrations.

U.S. State Right to Know Laws
California Proposition 65: See product label for information regarding Proposition 65.

Other State Right to Know Laws:

| Ingredient on State RTK Law? | CAS # | CA | MA | MN | NJ | NY | PA | RI |
|---|---|---|---|---|---|---|---|---|
| Limestone | 1317-65-3 | No | YES | No | YES | No | YES | YES |
| Portland cement | 65997-15-1 | No | YES | No | YES | No | YES | YES |
| Crystalline silica, quartz | 14808-60-7 | No | YES | YES | YES | No | YES | YES |
| Amorphous fumed silica | 69012-64-2 | No | YES | No | YES | No | No | No |

## SECTION 16 – OTHER INFORMATION

HMIS Rating : * - Chronic Hazard 0 - Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Severe
*Health:* *3 *Flammability* 0 *Physical Hazard* 1 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
HEPA: High Efficiency Particulate Air [filter]
HMIS: Hazardous Materials Information System
HPR: Hazardous Products Regulations
IARC: International Agency for Research on Cancer
Inh: Inhalation
mg/L: milligrams per Liter (of air)
mg/kg: milligrams per Kilogram (of body mass)
N/Av: Not Available
N/Ap: Not Applicable
NFPA: National Fire Protection Association
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration

PBT: Persistent, Bioaccumlative, and/or Toxic
PEL: Permissible exposure limit
PPE: Personal Protection Equipment
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
vPvB: (very) Persistent, (very) Bioaccumulative and/or Toxic
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 determines the adequacy of the safety procedures employed during the use of this product.
No warranty of any kind is given or implied. ARDEX L.P. 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.

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