

# Safety Data Sheet



Keystone Clean-X, Inc.  
855 Industrial Hwy.  
Cinnaminson, NJ 08077  
1-856-786-4443  
<http://keystoneclean-x.com>

## Section 1. Chemical Product and Company Identification

**Product name** FACADE  
**Product use** Restoration of Masonry Surfaces  
**Product code** 2615 F1  
**Date of issue** 05/01/15

### Emergency Telephone Numbers

**For SDS Information:**  
1-856-786-4443

**For Medical Emergency**  
(800) 222-1222 Toll Free  
American Association of Poison Control Centers

**For Transportation Emergency**  
CHEMTREC: (800) 424-9300 - All Calls Recorded  
In the District of Columbia (202) 483-7616

**Prepared By**  
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## Section 2. Hazards Identification

### Emergency overview

\*Hazard Determination System (HDS): Health, Flammability, Reactivity

**DANGER ! POISON**



CAUSES EYE, SKIN AND MUCOUS MEMBRANE BURNS.  
HARMFUL OR FATAL IF SWALLOWED. HARMFUL IF INHALED  
OR ABSORBED THROUGH SKIN.

**NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.**

### Acute Effects

#### Routes of Entry

Dermal contact. Eye contact. Inhalation.

#### Eyes

Causes eye burns. Direct contact with the eyes can cause irreversible damage, including blindness.

#### Skin

Causes skin burns. Skin contact can produce inflammation and blistering. The amount of tissue damage depends on length of contact. Contact results in immediate skin absorption which may cause hypocalcemia (calcium loss) This effect may be delayed for several hours after exposure. Severe over-exposure by absorption can result in death. Get immediate medical attention.

#### Inhalation

Avoid breathing vapors, spray or mists. Vapors and aerosol can produce mucous membrane, nose and throat irritation. Exposure can cause lung irritation, chest pain and edema, which may be fatal.

#### Ingestion

May be fatal if swallowed. May cause burns to mouth, throat and stomach. Impaired kidney function..

### Chronic effects

Contains material that can cause target organ damage. Repeated or prolonged exposure to the substance can produce kidney damage. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Repeated skin exposure can produce local skin destruction or dermatitis. Contains material which may cause damage to the following organs: blood, kidneys, liver, upper respiratory tract, skin, eyes, central nervous system (CNS).

### Carcinogenicity

Contains material which can cause cancer. Strong inorganic acid mists containing sulfuric acid

**Additional Information: See Toxicological Information (Section 11)**

## Section 3. Composition/Information on Ingredients

HYDROFLUORIC ACID ; hydrogen fluoride; hydrofluoride

7664-39-3

10 - 20

**Section 4. First Aid Measures**

- Eye Contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.
- Skin Contact** Get medical attention immediately. Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing or wear gloves. Continue to rinse for at least 10 minutes. Wash clothing before reuse. Get immediate medical attention while applying and massaging 2.5% calcium gluconate gel, or while soaking skin with 0.13% zephiran chloride solution.
- Inhalation** Move exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
- Ingestion** Get medical attention immediately. Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink.

**Section 5. Fire Fighting Measures**

National Fire Protection Association (U.S.A.)

- Flash Point** None.
- Flammable Limits** Not applicable.
- Flammability** Non-combustible.
- Fire hazard** In a fire or if heated, a pressure increase will occur and the container may burst. May emit toxic fumes under fire conditions.
- Fire-Fighting Procedures** Use an extinguishing agent suitable for the surrounding fire. Fire-fighters should wear appropriate protective equipment. Do not release runoff from fire to sewers or waterways.

**Section 6. Accidental Release Measures**

- Spill Clean up** Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Section 7. Handling and Storage**

- Handling** Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Empty containers retain product residue and can be hazardous. Do not reuse container. Wash thoroughly after handling. Observe label precautions.
- Storage** Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep container tightly closed and sealed until ready for use. Do not store in unlabeled containers. Keep out of the reach of children.

**Section 8. Exposure Controls/Personal Protection****Product name**

HYDROFLUORIC ACID ; hydrogen fluoride; hydrofluoride

**Exposure limits****ACGIH TLV (United States).**

TWA: 0.5 ppm 8 hour(s).

CEIL: 2 ppm

**OSHA PEL (United States).**

TWA: 3 ppm 8 hour(s).

**ACGIH/OSHA (United States).**

STEL: 6 ppm 15 minute(s).

**Personal Protective Equipment (PPE)**

- Eyes** Splash goggles. Face shield.
- Body** Wear appropriate protective clothing to prevent skin contact. Impervious gloves. Chemical resistant boots. Chemical-resistant protective suit.



**Respiratory** Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate.

### Section 9. Physical and Chemical Properties

<b>Physical State</b>	Liquid.	<b>Color</b>	Clear. Colorless.
<b>pH</b>	< 1.0	<b>Odor</b>	Sour. Acid. [Strong]
<b>Boiling Point</b>	104.44°C (220°F)	<b>Vapor Pressure</b>	Not determined.
<b>Specific Gravity</b>	1.12	<b>Vapor Density</b>	Not determined.
<b>Solubility</b>	Easily soluble in the following materials: cold water and hot water.	<b>Evaporation Rate</b>	1 (Water = 1)
		<b>VOC (Consumer)</b>	55 (g/l). (4.9%)

### Section 10. Stability and Reactivity

**Stability and Reactivity** The product is stable.

**Incompatibility** Reactive or incompatible with the following materials: oxidizing materials and alkalis.

**Hazardous Polymerization** Will not occur.

**Hazardous Decomposition Products** May emit toxic fumes under fire conditions. Hydrogen fluoride (HF). sulfur oxides (SO<sub>2</sub>, SO<sub>3</sub> etc.)

### Section 11. Toxicological Information

#### Acute Toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Hydrofluoric acid	LC50 Inhalation Vapor	Rat	1276 ppm	1 hours

### Section 12. Ecological Information

**Environmental Effects** Do not contaminate water by cleaning of equipment or disposal of wastes.

#### Aquatic Ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
N/A	-	-	-	-


### Section 13. Disposal Considerations

#### Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Code: D002  
Classification: - [Corrosive. Hazardous waste.]  
Origin: - [Hazardous waste Regulation]

### Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
<b>DOT Classification</b>	1790	Hydrofluoric acid solution, Poison	8 (6.1)	II	
<b>IMDG Class</b>	Not determined.				

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG\* : Packing group

**Section 15. Regulatory Information****U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

**Product name**

Hydrofluoric acid

**Clean Water Act (CWA) 307:** No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

**State Regulations****California Prop 65**

**WARNING:** This product contains a chemical or chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.:  
Sulfuric Acid

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

\*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.