

Section 1 - Identification

Product Name: EIFS Cleaner (16143)

Envyss, LLC
 P.O. Box 907
 Blue Ridge, GA 30513
 770-723-7040

Emergency Phone: 800-535-5053

Product Use: Removes efflorescence, stains, scale and mineral deposits from masonry surfaces .

Section 2 - Hazards Identification

GHS Ratings:

| | | |
|----------------|----|--|
| Skin corrosive | 1A | Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal |
| Eye corrosive | 1 | Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5 |

GHS Hazards

| | |
|------|---|
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage |

GHS Precautions

| | |
|----------------|---|
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray |
| P264 | Wash hands thoroughly after handling |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection |
| P310 | Immediately call a POISON CENTER or doctor/physician if you feel unwell |
| P321 | Specific treatment (see First Aid below or label) |
| P363 | Wash contaminated clothing before reuse |
| P301+P330+P331 | IF SWALLOWED: Call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower |
| P304+P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing |
| P305+P351+P338 | IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing |
| P405 | Store locked up |
| P501 | Dispose of contents/container in conformance with State, Local, and Federal regulations. |

Signal Word: Danger



Section 3 - Composition, Information on Ingredients

| Chemical Name | CAS number | Weight Concentration % |
|---------------|------------|------------------------|
| Muriatic Acid | 7647-01-0 | 10.00% - 20.00% |

Section 4 - First Aid Measures

After inhalation:

Take affected persons into fresh air and keep quiet. Supply fresh air. Call a doctor immediately

After eye contact: Rinse opened eye for several minutes under running water. Call a doctor immediately.

After skin contact: Immediately wash with water and soap and rinse thoroughly. Call a doctor immediately.

After swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately. NOTE: Never give an unconscious person anything to drink.

· Information for doctor:

· Most important symptoms and effects, both acute and delayed. Causes severe skin burns and eye damage.

Gastric or intestinal disorders · Indication of any immediate medical attention and special treatment needed Medical supervision for at least 48 hours.

Section 5 - Fire Fighting Measures

Flash Point: N/A

LEL:

UEL:

The product is not flammable

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· For safety reasons unsuitable extinguishing agents: Water with full jet

Hazardous Decomposition:

Chlorine, Hydrogen Chloride, Hydrogen gas

Advice for firefighters Protective equipment: Wear self-contained respiratory protective device .

Wear fully protective suit. Additional information Cool endangered receptacles with water spray .

Use fire extinguishing methods suitable to surrounding conditions.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Wear protective equipment . Keep unprotected persons away. Mount respiratory protective device.

Environmental precautions: Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up: Absorb liquid components with liquid-binding material . Use neutralizing agent. Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

Section 7 - Handling & Storage

Handling:

· Precautions for safe handling

Keep receptacles tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

When diluting always pour product into water and not vice versa.

· Information about fire - and explosion protection: No special measures required.

Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Use polyolefine receptacles.

Provide acid-resistant floor.

Suitable material for receptacles and pipes: Stainless steel.

· Information about storage in one common storage facility:

Store away from reducing agents.

- Store away from metals.
- Do not store together with alkalis (caustic solutions).
- Do not store together with organic materials.
- Further information about storage conditions: Keep container tightly sealed.

Section 8 - Exposure Controls/Personal Protection

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|----------------------------|---------------------------------------|---------------------------------|-----------------------|
| Muriatic Acid 7647-01-0 | PEL: 5 ppm (7 mg/m3) Ceiling Limit | TLV: 5 ppm (7 mg/m3) Ceiling | Not Established |

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Do not eat or drink while working. Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory protection:

Use suitable respiratory protective device only when aerosol or mist is formed.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Limitation and supervision of exposure into the environment

Avoid discharging of Hydrochloric / Phosphoric acid solutions into municipal wastewater, surface water or soils, when such discharges are expected to cause significant pH changes.

· Risk management measures

Regular control of the pH value previous to or during discharges into open waters is required. Discharges should be carried out as to minimize pH changes in receiving surface waters. In general most aquatic organisms can tolerate pH values in the range of 6-9.

· Eye protection:

Tightly sealed goggles

· Body protection:

Acid resistant protective clothing, Boots

· Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. · Material of gloves Butyl rubber, BR Fluorocarbon rubber (Viton) Nitrile rubber, NBR Natural rubber, NR Chloroprene rubber, CR Neoprene gloves

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Not suitable are gloves made of the following materials: Leather gloves

Section 9 - Physical & Chemical Properties

| | |
|---|---|
| <p>Boiling Point 84 °C</p> <p>Color Lt. Straw</p> <p>% Acid 14 - 15</p> <p>Odor Threshold N/A</p> <p>Boiling Range 212F</p> <p>Evaporation Rate N/A</p> <p>Solubility in Water Complete</p> <p>Flammability N/A</p> | <p>Appearance Clear Liquid</p> <p>pH <=1</p> <p>Odor Characteristic</p> <p>Freezing Point 30F</p> <p>Flash Point N/A</p> <p>Vapor Pressure N/A</p> <p>Viscosity <=10</p> <p>Upper/lower flammability N/A</p> <p>Partition coefficient: n-octanol/water N/A</p> |
|---|---|

Auto-ignition temperature N/A

Decomposition temperature N/A

Section 10 - Stability & Reactivity

STABLE

Oxidizing agents, acids, nitrogen containing organic, metals, iron, copper, nickel, cobalt, organic materials, and ammonia. Corrosive to most metals with evolution of hydrogen gas, which may form explosive mixtures with air.

Instability Temperature: 85°C. Rate of decomposition increases with heat.

Conditions of Instability: High heat, ultraviolet light.

Special Remarks on Reactivity: Rate of decomposition increases with heat.

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 4.277mg/ka

Component Toxicity

7647-01-0

Muriatic Acid

Oral LD50: 700 mg/kg (Rat) Inhalation LC50: 1,562 ppm (Rat)

· Specific symptoms in biological assay:

Phosphoric and Hydrochloric acids are classified as corrosive to the skin, therefore, no need to perform an acute dermal and an acute inhalative toxicity tests.

· Primary irritant effect:

· on the skin: Caustic effect on skin and mucous membranes.

· on the eye: Strong caustic effect.

· Sensitization:

Phosphoric and Hydrochloric acids are classified as skin corrosive, thus a further assessment for skin sensitization is not necessary.

· Additional toxicological information:

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

· Toxicokinetics, metabolism and distribution

This substance is not considered to have bioaccumulative potential as it is highly soluble in water.

For risk assessment purposes oral absorption is considered to be 50-100%, inhalation absorption 100% and dermal absorption 50-100%.

Wide distribution throughout the body is to be expected and excretion will be predominantly via urine.

CAS Number

None

Description

% Weight

Carcinogen Rating

N/A

Section 12 - Ecological Information

Do not discharge into waterways. The strong lowering of pH can destroy organisms.

Component Ecotoxicity

Muriatic Acid

This product is toxic to fish and aquatic organisms. Do not contaminate water containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

Section 13 - Disposal Considerations

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

Uncleaned packaging Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. Packagings that may not be cleansed are to be disposed of in the same manner as the product. Disposal must be made in accordance with Local Authority requirements.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

Section 14 - Transportation Information

| <u>Agency</u> | <u>Proper Shipping Name</u> | <u>UN Number</u> | <u>Packing Group</u> | <u>Hazard Class</u> |
|---------------|--|------------------|----------------------|---------------------|
| DOT | Corrosive Liquid, Acidic, inorganic, n.o.s. (Hydrochloric Acid) | 3264 | II | 8 |

Section 15 - Regulatory Information

| <u>Country</u> | <u>Regulation</u> | <u>All Components Listed</u> |
|----------------|-------------------|------------------------------|
|----------------|-------------------|------------------------------|

EU Risk Phrases

Safety Phrase

- None

Section 16 - Other Information

Hazardous Material Information System (HMIS)

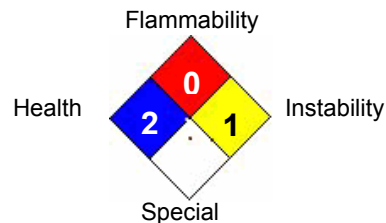
| | |
|---------------------|---|
| HEALTH | 2 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 1 |
| PERSONAL PROTECTION | C |

HMIS & NFPA Hazard Rating

Legend

- * = Chronic Health Hazard
- 0 = INSIGNIFICANT
- 1 = SLIGHT
- 2 = MODERATE
- 3 = HIGH

National Fire Protection Association (NFPA)



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Reviewer Revision

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