



**VSC Concrete Clean & Etch**

**SECTION 1 – IDENTIFICATION**

PRODUCT NAME: VSC CONCRETE CLEAN & ETCH  
IDENTIFICATION NUMBER: VP-151-1, VP-151-5  
PRODUCT FORM: LIQUID  
SUPPLIER/MANUFACTURER: VANBERG SPECIALIZED COATINGS  
10705 COTTONWOOD ST  
LENEXA, KS 66215-2032

EMERGENCY RESPONSE: 1-800-255-3924  
PREPARER: VSC  
PHONE: 913-599-5939  
PREPARE DATE: November 17, 2015

**SECTION 2 – HAZARDS IDENTIFICATION**

**Classification**

Acute Toxicity, Oral Category 4  
Serious eye damage/eye irritation Category 1  
Skin corrosion/ irritation Category 1  
Specific target organ toxicity – single exposure (Category 3), Respiratory tract irritation

**Pictogram**



**Signal Word**

Danger

**Hazard Statements**

Causes severe skin burns.  
Causes serious eye damage.  
Harmful if swallowed.  
May cause respiratory irritation.

**Precautionary Statements – Prevention**

Avoid breathing fume/mist/vapors/spray.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Wash face, hands and any exposed skin thoroughly after handling.

**Precautionary Statements – Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs  
IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation occurs.  
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
Rinse mouth  
Take off contaminated clothing and wash before reuse.

**Precautionary Statements - Storage**

Store in a well ventilated place, keep container tightly closed keep cool.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**SECTION 3 – COMPOSITION/ INFORMATION ON INGREDIENTS**

**Mixture**

Chemical Name	CAS #	WT/WT %
Hydrochloric Acid	7647-01-0	20-30

Any concentration shown as a range is to protect confidentiality or is due to process variation.

**SECTION 4 – FIRST AID MEASURES**

**First Aid Measures****Inhalation**

Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.

**Eye Contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

**Ingestion**

Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin Contact**

Remove contaminated clothing, wash with plenty of soap and water. If skin irritation persists, call a physician.

**Most Important Symptoms and Effects, both Acute and Delayed****Symptoms**

May cause serious eye and skin burns, pain and severe corrosive skin damage. May include stinging, tearing, redness, swelling and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation. Coughing.

**Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians:** Treat symptomatically.

**SECTION 5 – FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media**

Water spray, alcohol resistant foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media**

Do not use water jet as it will spread the fire.

**Specific Hazards Arising from the Chemical**

Hazardous gases may be formed.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures****Personal Precautions**

Keep unnecessary personnel away and upwind of spill/leak. Use personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

**Methods and Material for Containment and Cleaning Up****Methods for Containment**

Prevent further leakage or spillage if safe to do so. Prevent discharge to the environment. Dike the spilled material, where this is possible.

**Methods for Cleaning Up**

Use non-combustible material like vermiculite, sand or earth to soak up the product and place into a suitable container for later disposal.

**SECTION 7 – HANDLING & STORAGE**

**Precautions for Safe Handling**

**Advice on Safe Handling**

Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place.

**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	CAS #	ACGIH TLV	OSHA PEL	NOISH
Hydrochloric Acid	7647-01-0	Ceiling 2 ppm	Ceiling 5 ppm 7 mg/m <sup>3</sup>	Ceiling 5 ppm 7 mg/m <sup>3</sup>

**Appropriate Engineering Controls**

**Engineering Controls**

Provide adequate ventilation, (typically 10 air changes per hour). Eye wash stations and emergency shower must be available when handling this product.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection**

Wear approved safety goggles and face shield.

**Skin and Body Protection**

Wear suitable chemical resistant protective gloves and clothing.

**Respiratory Protection**

Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Liquid
<b>Color</b>	Blue
<b>Property</b>	<b>Values</b>
pH	<1
Melting Point/Freezing Point	No data available
Boiling Point/Boiling Range	100-110 °C (212-230 °F)
Flash Point	No data available
Evaporation Rate	No data available
Flammability (Solid, Gas)	N/A-Liquid
Upper Flammable Limits	No data available
Lower Flammable Limits	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	1.11
Water Solubility	Soluble in Water
Solubility in Other Solvents	No data available
Partition Coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Kinematic Viscosity	No data available
Dynamic Viscosity	No data available
Explosive Properties	Not an Explosive
Oxidizing Properties	No data available
Odor	Strong pungent
Odor Threshold	No data available

## SECTION 10 – STABILITY & REACTIVITY

### Reactivity

Reacts violently with strong alkaline substances. May react with reducing agents.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None known.

### Conditions to Avoid

Do not mix with other chemicals. Avoid contact with incompatible materials.

### Incompatible Materials

Water, bases, oxidizing agents, reducing agents, metals, amines, alkalies, organic compounds.

### Hazardous Decomposition Products

Hydrogen Chloride gas.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

##### Inhalation

Avoid breathing vapors or mists.

##### Eye Contact

Causes severe eye damage

##### Skin Contact

Causes severe skin corrosion. Avoid contact with skin.

##### Ingestion

May be harmful if swallowed.

This product as a whole has not been tested for acute toxicity; the following is based on component data:

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
Hydrochloric Acid	7647-01-0	900 mg/kg (Rabbit)	1449 mg/kg (Mouse)	1108 ppm, 1 h (Mouse) 3124 ppm, 1 h (Rat)

<b>Chemical Name</b> Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Mutagenicity Carcinogenicity Reproductive toxicity Specific target organ toxicity-single exposure Specific target organ toxicity-repeated exposure Aspiration hazard	<b>Hydrochloric Acid</b> Cause severe skin burns and eye damage Cause serious eye damage Not a respiratory or skin sensitizer No data available Not considered a carcinogen Not expected to cause reproductive effects May cause respiratory irritation Not classified Not an aspiration hazard
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#### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

##### Carcinogenicity

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

##### Numerical Measures of Toxicity

Not determined

### SECTION 12 – ECOLOGICAL INFORMATION

#### Ecotoxicity

There is no data available for this product as a whole.

Chemical Name	CAS #	Algae/aquatic plants	Fish	Aquatic invertebrates
Hydrochloric Acid	7647-01-0	No data available	Western mosquitofish ( <i>Gambusia affinis</i> ) 282 mg/l, 96 h	No data available

#### Persistence and Degradability

No data available

#### Bioaccumulation

No data available

#### Mobility

No data available

### SECTION 13 – DISPOSAL CONSIDERATIONS

#### Waste Disposal Method

Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways.

### SECTION 14 – TRANSPORTATION INFORMATION

#### DOT Proper Shipping Description:

**Non-Bulk:** NA1760, compounds, cleaning liquid, (Hydrochloric Acid), 8, PG II

**Bulk:** NA1760, compounds, cleaning liquid, (Hydrochloric Acid), 8, PG II

### SECTION 15 – REGULATORY INFORMATION

#### SARA Title III Section 311/312 (40CFR370)

Acute and chronic health hazard

#### SARA Title III Section 313 (40CFR372)

No reportable components.

**RCRA Status (40CFR261.33)**

No reportable components.

**TSCA Inventory Status**

Reported/included

**OSHA/NTP/IARC Carcinogen Status**

Not listed

**Canadian DSL Status**

Reported/included

**Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity**

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Hydrochloric Acid	X	X	X

**SECTION 16 – OTHER INFORMATION**

**HMIS ratings:**

Health	3
Flammability	0
Reactivity	1

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The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

**END OF SDS**