

Michigan State Industries

SAFETY DATA SHEET

8816 – Quarry Tile Floor Cleaner - POU

Date: 10/4/2018

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Quarry Tile Floor Cleaner

Other Means of Identification

Product Code MSI 8816
244 RTU.

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Cleaning & degreasing quarry tile and concrete floors.

Details of the Supplier of the Safety Data Sheet

Manufactured for Michigan State Industries
1780 E. Parnall Rd.
Jackson, MI. 49201

Emergency Telephone Number

Company Phone Number 517-780-6726
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2

Signal Word

WARNING

Hazard Statements

Harmful if swallowed
Causes skin irritation
Causes severe eye irritation



Appearance Light colored liquid

Physical State Liquid

Odor Acid

Precautionary Statements - Prevention

Use only outdoors or in a well-ventilated area
 Do not breathe dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection
 Do not taste or swallow

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Immediately call a POISON CENTER or doctor/physician
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Seek medical attention.

Precautionary Statements - Storage

Store locked up. Keep lid tightly closed when not in use. Store in upright position.

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local, state, and federal regulations. .

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Benzenesulfonic Acid	68584-22-5	0 – 10
Alcohols ethoxylated	68439-46-3	0 – 10
Glycolic Acid	79-14-1	0 - 5
Hydrogen Chloride	7647-01-0	0 - 2

4. FIRST AID MEASURES

First Aid Measures

- Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek immediate medical attention/advice.
- Eye Contact** Flush material out immediately with large amounts of water for at least 15 minutes, holding eye lids apart to insure flushing of the entire surface. Washing eyes within several seconds is essential to achieve maximum effectiveness. Get medical attention immediately.
- Ingestion** Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Drink 1-2 glasses of water. If vomiting occurs spontaneously, keep airway clear. Get medical attention immediately.
- Skin Contact** Immediately remove contaminated clothing and flush affected areas with plenty of water for at least 15 minutes. Wash contaminated clothing before reuse. Get medical attention immediately.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms Irritating to all body tissues by all routes of exposure. The effect of local dermal exposure may consist of multiple areas of superficial destruction of the skin or of primary irritant dermatitis. Similarly, inhalation of dust, spray or mist may result in varying degrees of irritation or damage to the respiratory tract tissues and an increased susceptibility to respiratory illness.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians Treat symptomatically. Exposure may aggravate medical conditions such as asthma, lung disease, and skin disorders.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Foam, carbon dioxide or dry chemical may be used in areas where this product is stored.

Unsuitable Extinguishing Media Water jet. (Use water fog or spray)

Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritation and toxic gasses and vapors.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Wear protective clothing as required. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust/fume/gas/mist/vapors/spray. Wear appropriate personal protective equipment. Wash face, hands, and any exposed skin thoroughly after handling. Avoid contact with skin, eyes or clothing. Use only in well-ventilated areas.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Keep containers tightly closed in a cool, well-ventilated place. Keep locked up and out of reach of children. Storage temperature should be between 50°F - 120°F.

Incompatible Materials Strong alkalis. Most metals. Bleach.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen Chloride 7647-01-0	Ceiling: 2 ppm	Ceiling: 5 ppm Ceiling: 7 mg/m ³	IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m ³

Appropriate Engineering Controls

Engineering Controls Good general room ventilation should be adequate under normal conditions. Maintain eye wash and safety shower.

Individual Protection Measures, such as Personal Protective Equipment

- Eye/Face Protection** Chemical safety goggles/face shield.
- Skin and Body Protection** Wear protective gloves and protective clothing. Rubber or PVC (gloves and boots).
- Respiratory Protection** No special equipment normally needed.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Acid
Appearance	Light colored liquid	Odor Threshold	Not determined
Color	Light colored		
Property	Values	Remarks • Method	
pH	2 - 4		
Melting Point/Freezing Point	Not applicable		
Boiling Point/Boiling Range	Not determined		
Flash Point	Not applicable		
Evaporation Rate	1	Water = 1	
Flammability (Solid, Gas)	Not applicable		
Upper Flammability Limits	Not applicable		
Lower Flammability Limit	Not applicable		
Vapor Pressure	Not determined		
Vapor Density	Not determined		
Specific Gravity	1.042		
Water Solubility	Completely soluble		
Solubility in Other Solvents	Not determined		
Partition Coefficient	Not determined		
Auto ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Reacts with metals to form hydrogen gas		
Oxidizing Properties	Not determined		
VOC Content (%)	Not determined		

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Reacts with active metals (potassium, sodium, calcium, powdered aluminum, zinc, and magnesium) to produce flammable hydrogen gas.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Excessive heat or cold. Contamination of any kind.

Incompatible Materials

Alkalis. Metals. Bleach.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gasses and vapors.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

- Inhalation** May cause irritation of respiratory tract. Avoid breathing vapors or mists.
- Eye Contact** Contact with eyes may cause severe damage.
- Skin Contact** Causes severe skin burns.
- Ingestion** Can cause irritation and corrosive burns to mouth, throat, and stomach.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Glycolic acid 79-14-1	1950 mg/kg (Rat)	-	-
Hydrogen Chloride 7647-01-0	700 mg/kg (Rat)	> 5010 mg/kg (Rabbit)	3124 ppm 1 h (Rat)
Benzenesulfonic Acid	530 mg/kg (Rat)	530 mg/kg (Rat)	-

Information on Physical, Chemical and Toxicological Effects

Symptoms Irritating to all body tissues by all routes of exposure. The effect of local dermal exposure may consist of multiple areas of superficial destruction of the skin or of primary irritant dermatitis. Similarly, inhalation of dust, spray or mist may result in varying degrees of irritation or damage to the respiratory tract tissues and an increased susceptibility to respiratory illness.

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

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Benzenesulfonic Acid 68584-22-5		LC50: Oncorhynchus mykiss 3 mg/l 96 h		EC50: Daphnia magna 1.9 mg/l 48 h

Persistence and Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

None known

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Do not reuse container. Triple rinse empty container with water. Plastic containers may be offered for recycling.

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not Regulated

IATA

Not Regulated

IMDG

Not Regulated

15. REGULATORY INFORMATION

International Inventories

TSCA

Listed

DSL

Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 313

No components of this product contain chemical (s) that are subject to reporting levels established by SARA Title III, Section 313.

CERCLA Reportable Quantity

The following components are listed:

Chemical Name	CAS Number	CERCLA RQ
Hydrogen Chloride	7647-01-0	5000 lbs.

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Hydrogen Chloride 7647-01-0	X	X	X

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	1	0	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	0	0	D

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet