

Safety Data Sheet:

Supersedes Date: 07/21/2020

Issuing Date: 09/02/2020

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: DIAMOND SHINE HARDWATER

Recommended use Scouring cleanser

Information on Manufacturer

Diamond Shine Cleaner, LLC
Stephen Mitchell
304 South Jones Blvd., #4976
Las Vegas, NV 89107

Product Code: L043A

Chemical nature Acid

Emergency Telephone

1-844-456-2442

National Poison Center: 800-222-1222

Telephone inquiry

1-833-444-7224

2. HAZARD IDENTIFICATION

Color White

Physical state Slurry

Odor Mint-like

GHS

Classification

Physical Hazards

None

Health Hazard

Skin Corrosion/Irritation
Serious Eye Damage/Eye Irritation

Category 2

Category 1

Other hazards

None

Labeling

Signal Word

DANGER



Hazard statements

H315 - Causes skin irritation

H318 - Causes serious eye damage

Precautionary Statements

P280 - Wear protective gloves, protective clothing, eye protection and face protection.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P332 + P313 - If skin irritation occurs, get medical attention.

P362 - Take off contaminated clothing and wash before reuse.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a physician.

P501 - Dispose of contents and container in accordance with applicable regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Crystalline Silica (Quartz)	14808-60-7	15-40
Alkylbenzenesulfonic acid (C10-16)	68584-22-5	3-7
Alcohols, C9-11, ethoxylated	68439-46-3	1-5
Diamond dust	7782-40-3	0.1-1.0

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice	Do not get in eyes, on skin or on clothing. Do not breathe vapors or spray mist.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.
Skin Contact	Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
Inhalation	No hazards which require special first aid measures.
Ingestion	No hazards which require special first aid measures.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point	Not applicable	Method	Not applicable		
Flammability Limits in Air %:	Hydrogen, by reaction with metals.	Upper:	75	Lower:	4
Suitable Extinguishing Media	Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.				
Specific hazards arising from the chemical	Contact with metals may evolve flammable hydrogen gas. Material can create slippery conditions.				
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.				
NFPA	Health 3	Flammability	1	Instability	0
HMIS -	Health 3	Flammability	1	Physical Hazard	0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Do not get in eyes, on skin or on clothing. Do not breathe vapors or spray mist.				
Storage	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.				
Storage Temperature	Minimum	37 °F / 3 °C	Maximum	120 °F / 49 °C	
Storage Conditions	Indoor	X	Outdoor	Heated	Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Crystalline Silica (Quartz)	: 0.025 mg/m ³ TWA (respirable fraction)	TWA: 50 µg/m ³	50 mg/m ³ respirable dust TWA: 0.05 mg/m ³ respirable dust

Engineering Measures Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

Eye/Face Protection

Tightly fitting safety goggles. Face-shield.

Skin Protection

Wear suitable protective clothing. For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.

Respiratory Protection

In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Slurry	Viscosity	Viscous
Color	White	Odor	Mint-like
Odor Threshold	Not applicable	Appearance	Opaque
pH	2.0	Specific Gravity	1.20 - 1.30
Evaporation Rate	<1 (Butyl acetate=1)	Percent Volatile (Volume)	1.0
VOC Content (%)	1	VOC Content (g/L)	12
Vapor pressure	No information available	Vapor Density	0.6
Solubility	Negligible	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition Temperature	No data available
Boiling Point/Range	212 °F / 100 °C	Flammability (solid, gas)	No data available
Flash Point	Not applicable	Method	Not applicable
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Hydrogen, by reaction with metals	Upper: 75 Lower: 4	

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions. Hazardous polymerization does not occur.
Conditions to Avoid	Keep away from open flames, hot surfaces, and sources of ignition, Protect from direct sunlight and extremes of temperatures.
Incompatible Products	None known.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Carbon oxides.
Possibility of Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 No information available

Dermal LD50 No information available

Inhalation LC50

Gas No information available

Mist No information available

Vapor No information available

Principle Route of Exposure Skin contact, Eye contact.

Primary Routes of Entry Skin contact.

Acute Effects:

Eyes Causes serious eye damage.

Skin Causes skin irritation.

Inhalation
Ingestion
Chronic Toxicity

Low hazard for usual industrial or commercial handling.
 Harmful if swallowed.
 Contains a known or suspected carcinogen. This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product.
 Eyes, Respiratory system.
 Respiratory disorders.

Target Organ Effects:
Aggravated Medical Conditions

Component Information

Acute Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Crystalline Silica (Quartz) 14808-60-7	= 500 mg/kg (Rat)	no data available	no data available	No data available	No data available
Alkylbenzenesulfonic acid (C10-16) 68584-22-5	= 775 mg/kg (Rat)	= 2000 mg/kg (Rabbit)	No data available	No data available	No data available
Alcohols, C9-11, ethoxylated 68439-46-3	= 1400 mg/kg (Rat)	> 2 g/kg (Rabbit)	No data available	No data available	No data available
Diamond dust 7782-40-3	> 10000 mg/kg (Rat)	no data available	No data available	No data available	No data available

Chronic Toxicity

Chemical name	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Crystalline Silica (Quartz) 14808-60-7	No data available	No data available	No data available	No data available	Eyes; Respiratory system
Diamond dust 7782-40-3	No data available	No data available	No data available	No data available	Respiratory system

Carcinogenicity

Chemical name	ACGIH	IARC	NTP	OSHA	Other
Crystalline Silica (Quartz) 14808-60-7	A2	Group 1	Known	X	Not applicable

*Note: Crystalline silica (quartz) CAS# 140808-60-7 is listed by both IARC and NTP as a human carcinogen when present in the form of respirable quartz. The product as delivered does not contain respirable quartz.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Additional Ecological Information: No information available

Component Information

Chemical name	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficient
Alkylbenzenesulfonic acid (C10-16)	No information available.	LC50 = 3 mg/L Oncorhynchus mykiss 96 h	EC50 = 5 mg/L 6 h	2.9: 48 h Daphnia magna mg/L EC50	2

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. REGULATORY INFORMATION

Inventories

TSCA	Complies
DSL	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

See Section 2

CERCLA	None
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U.S. State Regulations

California Proposition 65

This product can expose you to chemicals including those listed in the table below, which is [are] known to the State of California to cause either cancer and/or birth defects or other reproductive harm, (as indicated next to the chemical of concern). For more information go to www.P65Warnings.ca.gov.

Chemical name	CAS No.	California Prop. 65
Crystalline Silica (Quartz)	14808-60-7	carcinogen
Titanium dioxide	13463-67-7	carcinogen
Sulfuric acid	7664-93-9	carcinogen
Ethanol	64-17-5	carcinogen developmental toxicity

16. OTHER INFORMATION

Prepared By	Regulatory
Supersedes Date:	07/21/2020
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

Diamond Shine Cleaner, LLC

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