

# SAFETY DATA SHEET

## Safe n' Easy Limestone Cleaner

### Section 1 Identification

**Product Name:** Safe n' Easy Limestone Cleaner

**Recommended use:** Cleaner/Restorer to stone surfaces.

**Restrictions on use:** Use only as directed

**Manufactured for:**

DUMOND CHEMICALS, INC

83 General Warren Blvd.

Suite 190

Malvern, Pennsylvania 19355

(609)-655-7700

**Emergency phone number:** (800)457-4280 (InfoTrac) #79363

SDS Date of Preparation: 9/22/15

### Section 2. Hazard(S) Identification

**Classification:**

Physical	Health
Corrosive to Metals Category 1	Eye Damage Category 1

**Label Requirements:**

**Danger!**



**Hazard statement(s)**

May be corrosive to metals.  
Causes serious eye damage.

**Precautionary statement(s)**

Keep only in original container.  
Wear eye protection.  
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.  
Absorb spillage to prevent material damage.  
Store in corrosive resistant container with a corrosive resistant inner liner.

### Section 3. Composition / Information On Ingredients

Chemical name	CAS No.	Concentration
Organic salt	Proprietary	20-40%
Surfactant	Proprietary	1-5%

The exact percentage has been withheld as a trade secret.

### Section 4. First-Aid Measures

**Eye Contact:** Immediately flush eye with water for at least 20 minutes while lifting the upper and lower lids. Get immediate medical attention.

**Skin Contact:** Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation persists. Launder clothing before reuse.

**Inhalation:** Remove victim to fresh air. If irritation persists or breathing is difficult, get medical attention.

**Ingestion:** If conscious, rinse mouth with water. Do not induce vomiting unless directed by emergency personnel. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention.

**Most important symptoms/effects, acute and delayed:** Causes severe irritation or burns to the eyes. Permanent damage may occur. Prolonged skin contact may cause irritation and drying of the skin. Mist may cause mucous membrane and upper respiratory tract irritation with coughing or sore throat. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Indication of immediate medical attention and special treatment, if necessary:** Immediate medical attention is required for eye contact.

### Section 5. Fire-Fighting Measures

**Suitable extinguishing media:** Use water spray, carbon dioxide or dry chemical to extinguish.

**Specific hazards arising from the chemical:** At temperatures above 140°F (60°C), contact with metals may release flammable hydrogen gas. Combustion may produce oxides of carbon and nitrogen and chlorine.

**Special protective equipment and precautions for fire-fighters:** Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool exposed intact containers with water spray.

### Section 6. Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures:** Wear appropriate protective clothing to prevent eye contact.

**Environmental hazards:** Prevent runoff to storm sewers and ditches leading to natural waterways. Report spill as required by local and federal regulations.

**Methods and materials for containment and cleaning up:** Collect spilled material with inert material and place into a closable container for disposal. Wash spill area with water.

**Section 7. Handling And Storage**

**Precautions for safe handling:** Prevent eye contact. Avoid contact with skin and clothing. Avoid breathing vapors or mists. Use with adequate ventilation and appropriate protective clothing (See Section 8). Wash thoroughly after handling.

Empty containers retain product residues. Follow all SDS precautions in handling empty containers.

**Conditions for safe storage, including any incompatibilities:** Store in a cool, well ventilated area. Do not store in containers made of aluminum. Storage in certain metal containers at temperatures above 140°F (60°C) may result in the release of hydrogen gas. Protect containers from physical damage.

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

**Exposure guidelines:**

Organic salt	None Established
Surfactant	None Established

**Appropriate engineering controls:** Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. If exposures are excessive increased mechanical ventilation such as local exhaust may be required.

**Individual protection measures, such as personal protective equipment:**

**Respiratory Protection:** If exposures are excessive, use a NIOSH approved dust/mist respirator with appropriate eye protection. A full facepiece respirator provides both eye and respiratory protection. For higher concentrations an approved supplied air respirator (with escape bottle if required) or self-contained breathing apparatus may be required. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

**Skin protection:** Impervious gloves such as rubber or nitrile are recommended to avoid skin contact.

**Eye protection:** Wear chemical safety goggles if splashing is possible.

**Other:** Impervious clothing as needed to prevent contamination of personal clothing. An eye wash facility should be available in the immediate work area.

**Section 9. Physical And Chemical Properties**

**Appearance (physical state, color, etc.):** Clear, amber liquid

**Odor:** Hydrochloric acid odor

<b>Odor threshold:</b> Not available	<b>pH:</b> <1.0
<b>Melting point/freezing point:</b> Not available	<b>Boiling point:</b> 212°F (100°C)
<b>Flash point:</b> Not flammable	<b>Evaporation rate:</b> Same as Water
<b>Flammability (solid, gas):</b> Not applicable	
<b>Flammable limits: LEL:</b> Not applicable	<b>UEL:</b> Not applicable
<b>Vapor pressure:</b> Same as water	<b>Vapor density:</b> Not available
<b>Relative density:</b> 1.08	<b>Solubility in Water:</b> Soluble
<b>Partition coefficient: n-octanol/water:</b> Not applicable	<b>Auto-ignition temperature:</b> Not applicable
<b>Decomposition temperature:</b> Not applicable	<b>Viscosity:</b> Not available

**Section 10. Stability And Reactivity**

**Reactivity:** React with metals and oxidizing agents.

**Chemical stability:** This material is stable.

**Possibility of hazardous reactions:** Corrosive to some metals.

**Conditions to avoid:** Do not store in aluminum. Hydrogen may be released in contact with certain metals. Contact with hypochlorites will liberate toxic gases. Contact with alkaline materials will generate heat.

**Incompatible materials:** Avoid oxidizing agents, metals such aluminum and alkaline materials.

**Hazardous decomposition products:** Thermal decomposition may yield toxic carbon and nitrogen oxides and chlorine.

### Section 11. Toxicological Information

**Likely routes of exposure:**

**Inhalation:** Mist and vapors may cause respiratory irritation with coughing.

**Skin Contact:** Prolonged skin contact may cause irritation.

**Eye Contact:** Contact may cause severe irritation or burns with redness, pain and swelling. Permanent damage may occur.

**Ingestion:** Swallowing may cause gastrointestinal irritation with nausea and vomiting.

**Chronic Effects Of Overexposure:** None known.

**Sensitization:** None of the components are known to cause sensitization in animals or humans.

**Reproductive Toxicity:** None of the components have shown to cause reproductive or developmental effects.

**Mutagenicity:** None of the components have been found to be mutagenic.

**Carcinogenicity:** None of the components are listed as a carcinogen or suspect carcinogen by NTP, IARC or OSHA.

**Acute Toxicity:**

Acute Toxicity Estimate: Oral 7142 mg/kg

Organic salt: Oral rat LD50 1121 mg/kg

Surfactant: Oral Rat LD50 2292 mg/kg

### Section 12. Ecological Information

**Ecotoxicity:**

Organic salt: 48 hr LC50 daphnia magna 71 mg/L

Surfactant: 96 hr LC50 fish 37.9 mg/L, 48 hr EC50 daphnia magna 36.9 mg/L

**Persistence and degradability:** Organic salt is readily biodegradable.

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** None known.

### Section 13. Disposal Considerations

Dispose in accordance with all local, state and federal regulations.

### Section 14. Transport Information

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT		Not regulated when transported by road and rail only. (49 CFR 173.154 d(1))			
TDG	UN1760	Corrosive Liquid n.o.s. (Organic salt)	8	PG III	
IMDG	UN1760	Corrosive Liquid n.o.s. (Organic salt)	8	PG III	
IATA	UN1760	Corrosive Liquid n.o.s. (Organic salt)	8	PG III	

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable – product is transported only in packaged form.

**Special precautions:** None Known

### Section 15. Regulatory Information

**Safety, health, and environmental regulations specific for the product in question.**

**CERCLA Hazardous Substances (Section 103)/RQ:** This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills as required under federal, state and local regulations.

**EPA SARA 302:** This product does not contain chemicals regulated under SARA Section 302.

**EPA SARA 311 Hazard Classification:** Acute health

**EPA SARA 313:** This product contains the following chemicals regulated under SARA Title III, section 313: None

**Toxic Substances Control Act:** All of the components of this product are listed on the TSCA inventory.

**California Proposition 65:** This product is not known to contain any chemicals which are known to the State of California to cause cancer or reproductive harm.

**Canadian Environmental Protection Act:** All of the components of this product are listed on the Canadian Domestic Substances List (DSL).

### Section 16. Other Information

**NFPA Rating:** Health = 3      Flammability = 0      Instability = 0

**HMIS Rating:** Health = 3      Flammability = 0      Physical Hazard = 0

**SDS Revision History:** New Formula, Converted to GHS format, all sections revised.

**Date of preparation:** September 22, 2015

**Date of last revision:** New SDS