



# SAFETY DATA SHEET

## Safe n' Easy Heavy Duty Restoration Cleaner

### Section 1 Identification

**Product Name:** Safe n' Easy Heavy Duty Restoration Cleaner

**Recommended use:** Masonry Restorer and Cleaner

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

**Manufactured by:**

DUMOND CHEMICALS, INC  
83 General Warren Blvd, Suite 190  
Malvern, PA 19355  
(609)-655-7700

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

SDS Date of Preparation: 7/27/15

### Section 2. Hazard(S) Identification

**Classification:**

Physical	Health
Corrosive to Metals Category 1	Skin Corrosion Category 1C Eye Damage Category 1 Toxic to Reproduction Category 1B

**Label Requirements:**

**Danger!**



**Hazard statement(s)**

Causes severe skin burns and eye damage.  
May damage fertility or the unborn child.

**Precautionary statement(s)**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep only in original container  
Do not breathe dusts or mists.  
Wash thoroughly after handling.  
Wear protective gloves, protective clothing, eye protection and face protection.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
Immediately call a POISON CENTER or doctor.  
IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with soap and water.  
Wash contaminated clothing before reuse.  
Immediately call a POISON CENTER or doctor.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Immediately call a POISON CENTER or doctor.  
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.  
IF exposed or concerned: Get medical attention.  
Absorb spillage to prevent material damage.  
Store locked up.  
Store in corrosive resistant container with a corrosive resistant inner liner  
Dispose of contents and container in accordance with local and national regulations.

### Section 3. Composition / Information On Ingredients

Chemical name	CAS No.	Concentration
Organic Acid Salt	Proprietary	10-20%
Proprietary Ingredient #1	Proprietary	10-20%
Proprietary Ingredient #2	Proprietary	10-20%
2-Butoxyethanol	111-76-2	1-5%

The specific identity and/or 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:** Immediately flush skin with large amounts of water for 15 minutes. Wash skin with soap and water to remove any traces of the chemical. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes and other items that cannot be decontaminated. Get immediate medical attention.

**Inhalation:** Remove victim to fresh air. If breathing has stopped give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get immediate 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 immediate medical attention.

**Most important symptoms/effects, acute and delayed:** Corrosive. Causes severe irritation or burns to the eyes and skin. May cause permanent eye damage. Mist and vapors may cause mucous membrane and upper respiratory tract irritation with coughing, sore throat and difficulty in breathing. Swallowing may cause burns to the mouth, throat and stomach. May cause reproductive and developmental effects based on animal data.

**Indication of immediate medical attention and special treatment, if necessary:** Get immediate medical attention for all routes of exposure.

### Section 5. Fire-Fighting Measures

**Suitable extinguishing media:** Use any media appropriate for surrounding fire.

**Specific hazards arising from the chemical:** Heating above 100°C may result in decomposition and release of carbon dioxide and hydrofluoric acid.

**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 and skin contact. Evacuate and ventilate area.

**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 and skin contact. Do not breathe vapors or mists. Use only with adequate ventilation and appropriate protective clothing (See Section 8). Immediately remove and launder contaminated clothing before re-use. Discard contaminated shoes and other items that cannot be decontaminated. 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 away. Do not store above 35°F (95°C). Do not store in containers made of aluminum or zinc. Protect containers from physical damage.

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

##### Exposure guidelines:

Organic Acid Salt	None Established
Proprietary Ingredient #1	None Established
Proprietary Ingredient #2	None Established
2-Butoxyethanol	50 ppm, skin TWA OSHA PEL 20 ppm TWA ACGIH TLV

**Appropriate engineering controls:** Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. If the recommended exposure limit is exceeded increased mechanical ventilation such as local exhaust may be required.

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

**Respiratory Protection:** If the exposure limits are exceeded, an approved full facepiece particulate respirator, 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:** Chemical resistant, impervious gloves are recommended to prevent skin contact.

**Eye protection:** Wear chemical safety goggles and/or faceshield to prevent eye contact unless a full facepiece respirator is used. Do not wear contact lenses.

**Other:** Impervious apron, boots and other clothing are recommended if needed to prevent contact or if splashing is possible. A safety shower and an eye wash facility should be available in the immediate work area.

### Section 9. Physical And Chemical Properties

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

**Odor:** No odor

<b>Odor threshold:</b> Not available	<b>pH:</b> 1.5
<b>Melting point/freezing point:</b> -10°F (14°C)	<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> 1.063	<b>Solubility in Water:</b> Complete
<b>Partition coefficient: n-octanol/water:</b> Not applicable	<b>Auto-ignition temperature:</b> Not applicable
<b>Decomposition temperature:</b> 212°F (100°C)	<b>Viscosity:</b> Not available

### Section 10. Stability And Reactivity

**Reactivity:** Reacts with metals and acids.

**Chemical stability:** This material is stable

**Possibility of hazardous reactions:** Contact with metals and alkalis may release flammable hydrogen gas.

**Conditions to avoid:** Do not heat above 110°C as this will result in an exothermic decomposition with rapid release of carbon dioxide and hazardous hydrofluoric acid. High concentrations will react with carbonate scales which may carry vapor so care must be taken to avoid inhalation.

**Incompatible materials** Avoid oxidizing agents, aluminum and zinc. Contact with hydrochlorites and alkaline materials may produce toxic gases. Do not mix with dehydrating agents.

**Hazardous decomposition products:** Thermal decomposition may yield toxic hydrogen fluoride, nitric oxides and ammonia.

### Section 11. Toxicological Information

**Likely routes of exposure:**

**Inhalation:** Mist and vapors may cause respiratory irritation with coughing and labored breathing. Inhalation of decomposition products may be hazardous.

**Skin Contact:** Contact may cause severe irritation or burns to the skin. Burns may not be immediately painful or visible. Treat all contact immediately and get medical attention.

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

**Ingestion:** Swallowing may cause irritation of the mouth, throat or stomach.

**Chronic Effects Of Overexposure:** Organic acid has been shown to cause reproductive and developmental effects based on animal studies.

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

**Reproductive Toxicity:** Organic acid has been shown to cause reproductive and developmental effects based on animal studies.

**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 5319, Inhalation: 390 mg/L/4 hr

Organic Acid Salt: Oral rat LD50 798.1 mg/kg

2-Butoxyethanol: Oral guinea pig LD50 1414 mg/kg, Skin rabbit LD50 >2000 mg/kg, Inhalation rat LC50 >3.9 mg/L/ 4 hr

**Section 12. Ecological Information**

**Ecotoxicity:**

Organic Acid Salt: No data available

2-Butoxyethanol: 96 hr LC50 Oncorhynchus mykiss 1474 mg/L, 48 hr EC50 daphnia magna 1550 mg/L,

Surfactant: 96 LC50 fish 36.9 mg/L, 48 hr EC50 daphnia magna 37.9 mg/L, 72 hr EC50 Pseudokirchnerella subcapitata 911 mg/L

**Persistence and degradability:** 2-Butoxyethanol 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
<b>DOT</b>	UN1760	Corrosive Liquid n.o.s. (Acid Salts)	8	PG III	
<b>TDG</b>	UN1760	Corrosive Liquid n.o.s. (Acid Salts)	8	PG III	
<b>IMDG</b>	UN1760	Corrosive Liquid n.o.s. (Acid Salts)	8	PG III	
<b>IATA</b>	UN1760	Corrosive Liquid n.o.s. (Acid Salts)	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, Chronic health

**EPA SARA 313:** This product contains the following chemicals regulated under SARA Title III, section 313:

Glycol Ethers	111-76-2	1-5%
2-Butoxyethanol		

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

**California Proposition 65:** This product contains the following chemicals known to the State of California to cause cancer or reproductive toxicity:

Methanol	67-56-1	37.5 ppm	developmental
1,4 Dioxane	123-91-1	<0.05 ppm	cancer

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

<b>Section 16. Other Information</b>
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**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:** July 27, 2015

**Date of last revision:** May 18, 2011