

# Material Safety Data Sheet

Date last reviewed: January 1, 2008

## I. General Information

Chemical Name & Synonyms <b>Proprietary Mixture</b>	Trade Name & Synonyms <b>Safe 'n Easy New Masonry Detergent</b>
Chemical Family <b>Acidic Mixture</b>	Formula <b>Mixture</b>
Proper DOT Shipping Name <b>Hydrochloric Acid Solution, 8 UN1789, PG II</b>	DOT Hazard Classification <b>Corrosive Liquid</b>
Manufactured for: <b>Dumond Chemicals, Inc.</b>	Information Phone Number <b>(212) 869-6350</b>
Address <b>1501 Broadway, New York, NY 10036</b>	Emergency Number: <b>(800) 535-5053 (Info Trac)</b>

## II. Ingredients

Principal Hazardous Components	CAS #	Percent	OSHA PEL	ACGIH TLV
Hydrochloric Acid	7647-01-0	10-20	5 ppm Ceiling	5 ppm Ceiling

## III. Physical Data

Boiling Point (°F) <b>Not available</b>	Specific Gravity (H <sub>2</sub> O =1) <b>Greater than 1</b>
Vapor Pressure (mm Hg) <b>Not available</b>	Percent Volatile by Volume (%) <b>Not determined</b>
Vapor Density (Air=1) <b>Not available</b>	Evaporation Rate (Butyl Acetate =1) <b>Not determined</b>
Solubility in Water <b>Complete</b>	pH <b>Less than 1</b>
Appearance & Odor <b>Clear, colorless liquid with a sharp irritating odor.</b>	

## IV. Fire & Explosion Hazard Data

Flash Point (Test Method) <b>None</b>	Autoignition Temperature <b>None</b>		
Flammable Limits <b>None</b>	LEL <b>N/A</b>	UEL <b>N/A</b>	
Extinguishing Media <b>This material is not combustible. Use media appropriate for the surrounding fire.</b>			
Special Fire Fighting Procedures <b>Wear full emergency equipment and NIOSH approved positive pressure SCBA. Cool containers with water.</b>			
Unusual Fire & Explosion Hazards <b>Extreme heat or contact with metal can release flammable hydrogen gas.</b>			
HMIS Ratings	Health: 2	Flammability: 0	Reactivity: 0

## V. Health Hazard Data

OSHA Permissible Exposure Limit See Section II		ACGIH Threshold Limit Value See Section II	
Carcinogen - NTP Program No		Carcinogen - IARC No	
Symptoms of Exposure <u>Acute Effects:</u> Eyes: Vapors or liquid may cause severe irritation or burns with permanent damage. Skin: Contact may cause severe irritation or burns with redness, pain and swelling. Inhalation: May cause mucous membrane and respiratory irritation. High vapor concentrations may cause pulmonary edema, circulatory failure or death. Ingestion: Swallowing may cause gastrointestinal irritation or burns with abdominal pain, nausea, vomiting and diarrhea. Large amounts may cause shock, circulatory collapse and death. <u>Chronic Effects:</u> Prolonged or repeated exposure to concentrated vapors may cause erosion of the teeth.			
Medical Conditions Aggravated By Exposure: Individuals with pre-existing eye and skin disorders.			
Primary Route(s) of Entry: Eye, skin, inhalation, ingestion			
Emergency First Aid Eye: Immediately flush with water for 15 minutes. Get immediate medical attention. Skin: Immediately wash thoroughly with soap and water. Remove contaminated clothing. Get immediate medical attention. Inhalation: Remove to fresh air. Restore breathing. Get medical attention. Ingestion: If conscious, give large quantities of water or milk to dilute. Do not induce vomiting. Get immediate medical attention.			
<b>IV. Reactivity Data</b>			
Stability	X	Unstable Stable	Conditions to Avoid Avoid contact with heat and direct sunlight. Contact with metals may release flammable hydrogen gas.
Incompatibility Avoid strong bases, metal oxides, hydroxides, amines, carbonates, cyanides, sulfides, sulfites and formaldehyde.			
Hazardous Polymerization	X	May Occur Will Not Occur	Conditions to Avoid N/A
Hazardous Decomposition Thermal decomposition may yield toxic and corrosive hydrogen chlorides fumes, chlorine and flammable hydrogen gas.			
<b>Vii. Environmental Protection Procedures</b>			
Spill Response Wear appropriate protective clothing and equipment. Dike spill and neutralize with sodium bicarbonate. Collect into closable containers with an inert absorbent. Prevent spill from entering sewers and waterways. Wash spill area with water. Report spills as required.			
Waste Disposal Method Dispose in accordance with all state, local and federal regulations.			
<b>VIII. Special Protection Information</b>			
Eye Protection Wear chemical safety goggles to prevent eye contact.		Skin Protection Wear butyl rubber gloves to prevent skin contact.	
Respiratory Protection (Specific Type) For spray applications or large jobs, an approved full facepiece acid gas/particulate respirator or SCBA may be required.		Ventilation Recommended If exposure limits are excessive, local exhaust may be required.	
Other Protection Impervious apron, boots, safety shower and eye wash as needed.			
<b>IX. Special Precautions</b>			
Hygienic Practices in Handling & Storage Store in a tightly closed container. Store in a cool, well ventilated area away from incompatible materials.			
Work Practices Prevent eye and skin contact. Do not breathe vapors or mists. Use only with adequate ventilation.			
Other Precautions Use only with appropriate protective equipment. Wash thoroughly after use. Empty containers contain residues and may be hazardous.			