

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND DISTRIBUTOR'S INFORMATION						
NFPA Rating: Health-2; Flammability-0; Reactivity-0; Special- - Manufactured For: EcoStone Solutions Address: 15721 Bernardo Heights Pky B308 Address: San Diego, CA 92128		HMIS Rating: Health-2; Flammability-0; Reactivity-0; Personal Protection-B DOT Hazard Classification: NON-REGULATED via ground transport only (if NOT in aluminum containers) per 49CFR 173.154 (d)(1). Identity (trade name as used on label): <div style="text-align: center;">Big Time Grout Cleaner</div>				
Phone: 800-680-2046		MSDS Number: B01862		Revision - 1		
D.O.T. EMERGENCY RESPONSE NUMBER: (800) 255-3924 INTERNATIONAL: country code of origin + 01-813-248-0585 (collect if necessary)		Date Prepared: 08/02/07 Information Calls: (770)422-2071		Prepared By: IB		
NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA						
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
LIQUID ACID MIXTURE		NJTSRN 2541050-5000	No	NE	NE	d
DIPROPYLENE GLYCOL METHYL ETHER		34590-94-8	No	NE	NE	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: estimated > 212°F		Specific Gravity (H2O=1): 1.08				
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A		Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): not determined				
Vapor Density (Air = 1): not determined		Evaporation Rate (water = 1): 1.0				
Solubility in Water: Completely		Water Reactive: No				
Appearance and Odor: Clear, colorless liquid with acrid odor.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A		Auto Ignition Temperature N/A		Flammability Limits in Air by % in Volume: % LEL: N/A % UEL: N/A		
FLASH POINT AND METHOD USED (non-aerosols): approx. none to boiling. (TCC)		SPECIAL FIRE FIGHTING PROCEDURES: Non-combustible. Use clothing & safety equipment as may be suitable for acidic materials in the surrounding fire.				
EXTINGUISHER MEDIA: Use agents as appropriate for materials in surrounding fire.						
Unusual Fire & Explosion Hazards: Will liberate flammable hydrogen gas on contact with many metals.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY [X] STABLE [] UNSTABLE		HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR				
Incompatibility (Mat. to avoid): Oxidizers and strong alkali (bases), aluminum and other metals.		Conditions to Avoid: Do not allow to mix with other chemicals especially bleach and "non-bleach whiteners."				
Hazardous Decomposition Products: Oxides of carbon, unidentified organic compounds.						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: [] INHALATION [] INGESTION [X] SKIN ABSORPTION [X] EYE [] NOT HAZARDOUS						
ACUTE EFFECTS: Irritation.						
Inhalation: Product mist can cause respiratory tract irritation choking and coughing.						
Eye Contact: Causes eye irritation.		Skin Contact: Causes irritation of skin.				
Ingestion: May be harmful if swallowed. Can cause irritation of mucosal tissues. Nausea and vomiting can occur.						
CHRONIC EFFECTS: Repeated or prolonged contact can result in dermatitis.						
Medical Conditions Generally Aggravated by Exposure: Pre-existing respiratory conditions and pre-existing skin conditions including dermatitis.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Irrigate with large quantities of water, lifting upper and lower eyelids occasionally. Get medical attention.						
Skin Contact: Remove contaminated clothing & flush skin with large quantities of water. If irritation persists, get medical attention.						
Inhalation: Unlikely, however if inhalation of mist occurs, remove to fresh air. If breathing stops, give artificial respiration. Get immediate medical attention.						
Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): Not normally needed at ambient temperatures. If misting of product occurs, use NIOSH approved for acid mists.						
Protective Gloves: Neoprene, PVC.		Eye Protection: Safety glasses or chemical goggles.				
Ventilation Requirements: As necessary to maintain air concentrations below 1mg/m3 at all times. Special ventilation is not normally needed.						
Other Protective Clothing & Equipment: Safety showers & eyewash stations. Neoprene or PVC rain suit & boots, if needed.						
Hygienic Work Practices: Avoid contact with skin and eyes. Do not eat, drink or smoke in work area. Wash hands after handling. Remove contaminated clothing and launder before re-use.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
Steps To Be Taken If Material Is Spilled Or Released: Contain spill & prevent run off into ground & surface waters or sewers. Neutralize with soda ash. Recover neutralized products into properly labeled non-leaking containers for proper disposal.						
Waste Disposal Methods: Dispose of in accordance with all local, state and federal regulations.						
Precautions To Be Taken In Handling & Storage: Store in original shipping containers. Keep closed when not in use. Do not store near strong oxidizers, strong alkalis or other reactive materials. Protect from extreme heat and cold. Do NOT store in aluminum or metal.						
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read & follow label directions. Do NOT store in aluminum or metal.						

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only