

MATERIAL SAFETY DATA SHEET

D-LIME-R

This MSDS complies with ANSI Z400.1-2004

01 - PRODUCT AND COMPANY IDENTIFICATION				
Manufactured by:	Bestway Products Company		Trade name (used on label): D-Lime-R	
Address:	333 West 700 South Salt Lake City, UT. 84101		Intended use: Heavy duty industrial acid restroom cleaner.	
PH: (801)328-4818	FAX: (801)328-9080	EMAIL:MSDS@BESTWAY.PRO		
MSDS prepared by: C. Beckstead	EMERGENCY REPOSE NUMBER: (CHEM-TEL) 1(800)255-3924		Prepared:01/27/11 @ 10:19:06 AM	MSDS number: 08 Revision: 1
02 - HAZARD IDENTIFICATION				
PRIMARY ROUTES OF ENTRY: [X] INHALATION [X] INGESTION [] SKIN ABSORPTION [X] EYE [] NOT HAZARDOUS				
ACUTE EFFECTS: Irritation and possible burns. Chronic Effects: Drying, defatting and dermatitis.				
Inhalation: Not a likely route of exposure. Can be irritating to the respiratory tract if sprayed or vaporized.				
Eye Contact: Can cause burns.		Skin Contact: Prolonged or repeated contact can cause irritation.		Ingestion: Can be harmful or fatal if ingested.
03 - COMPOSITION/INFORMATION ON INGREDIENTS				
(Hazardous Components 1% or greater; Carcinogens 0.1% or greater)				
	CAS NUMBER	OSHA PEL (PPM)	LD50 (RAT)	%
UREA HYDROGEN CHLORIDE	506-89-8	N/E	N/E	
SURFACTANT BLEND	N/A	N/E	2000mg/kg	
04 - FIRST AID MEASURES				
Eye Contact: Remove any contact lenses. Immediately flush with water, holding eyelids open, for 15 minutes. If irritation persists, seek medical attention.		Skin Contact: Immediately wash with soap and water. Remove contaminated clothing and launder before reuse.		
Inhalation: Remove to fresh air. If not breathing give artificial respiration and seek medical attention.		Ingestion: Do NOT induce vomiting unless directed by qualified medical personnel. Give 3-4 glasses of water to dilute. NEVER give anything by mouth to an unconscious person. Call poison control or Chem-Tel @ 1-800-255-3924.		
NOTES TO PHYSICIAN:				
05 - FIRE FIGHTING MEASURES				
Flash Point(method determined):N/A		Auto Ignition Temperature: N/A		
Flammability Limits in Air by % in Volume:% LEL: N/A % UEL: N/A		FLAMMABILITY as per USA FLAME PROJECTION TEST :N/A		
Unusual Fire & Explosion Hazards: None		SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus. Use water fog to cool containers to prevent rupturing & exploding containers.		
EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide, water.				
06 - ACCIDENTAL RELEASE MEASURES				
Small Spills: Pick up with mop or wet vac and wash away with water. Ventilate area of spill or leak.				
Large Spills: Evacuate area. Dike area. Keep spill and cleaning runoffs out of municipal storm drains and open bodies of water. Transfer liquids and diking material to separate suitable containers for recovery or disposal.				
07 - HANDLING AND STORAGE				
Handling: Empty containers should be triple rinsed and can be refilled with a similar material. Please recycle!				
Storage: Freezing of product may rupture container. Shelf life is best retained by storing at 45 to 100 degrees F.				
08 - EXPOSURE CONTROLS AND PERSONAL PROTECTION				
Respiratory Protection (specify type): None normally required when used according to label directions. If spraying this product full strength a full face respirator with particulate cartridges is recommended.				
Protective Gloves: Rubber or latex recommended.		Eye Protection: Safety glasses recommended.		
Ventilation Requirements: Mechanical if necessary to keep vapor concentration below TLV.				
Other Protective Clothing & Equipment: Long sleeves/pants to prevent splashed material from getting on skin.				
Hygienic Work Practices: Wash with soap and water before handling food. Remove contaminated clothing.				
09 - PHYSICAL AND CHEMICAL PROPERTIES				
Physical State: Liquid		Boiling point: 212 f		Vapor pressure: N/A
Odor/Appearance: Amber with mild acid odor.		Freezing point: 25 f		Vapor density: N/A
PH: 1		% Soluble in water: 100%		Liquid density: N/K
Specific Gravity: ~1.07		% Volatile: 95%		Evaporation Rate: N/K
10 - STABILITY AND REACTIVITY				
Chemical stability: Stable.		Hazardous decomposition: No data available.		
Hazardous polymerization: Will not occur.		Incompatibility: Avoid contact with: Strong oxidizing agents.		
11 - TOXICOLOGICAL INFORMATION				
CHRONIC EFFECTS: (Effects due to excessive exposure to the raw materials of this mixture) When used as directed, no adverse effects anticipated from available information.				
Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions.				
12 - ECOLOGICAL INFORMATION				
Aquatic toxicity: The LC50/48-hour values for fish are over 70 mg/l.				
Environmental Fate: This product will not significantly bioaccumulate, and is readily biodegradable.				
13 - DISPOSAL CONSIDERATIONS				
Dispose of in accordance with all applicable local, state and federal laws.				
14 - TRANSPORT INFORMATION				
DOT CLASSIFICATION-(49 cfr 172.101): CLEANING COMPOUND				
15 - REGULATORY INFORMATION				
FEDERAL: TSCA: N/K CERCLA SARA 302 SECTION 311/312: N/K				
STATE: CALIFORNIA PROP 65: N/K				
LOCAL: N/K				
16 - OTHER INFORMATION				
NFPA Rating: Health-3 Flammability-0 Reactivity-1 Special Hazard - ACID				
HMIS Rating: Health-2 Flammability-1 Reactivity-0 Personal Protection Equipment - C				
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				