

MATERIAL SAFETY DATA SHEET

Product Name (As used on label & list): BARRAGE		Description: Powder Alkaline Cleaner containing enzymes		
HMIS RATING		HAZARD RATINGS		
Health:	2	0 =	Insignificant	
Flammability:	0	1 =	Slight	
Reactivity:	0	2 =	Moderate	
Pers. Prot.:	B	3 =	High	
		4 =	Extreme	
SECTION I				
Manufacturer's Name: Powr-Flite A Tacony company		Emergency Telephone Number: 1-800-270-5201		
Address (number, street, city, state, zip code): 3101 Wichita Court Fort Worth TX 76140-1710		Telephone Number for information: 800-880-2913 ext. 150 or Website www.powrflite.com		
		DATE PREPARED October 30, 2006 /REVISED:		
SECTION II				
Hazardous Ingredients - Identity Information				
The criteria for listing components in this section is as follows: Carcinogens are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater; Non-hazardous components are not listed. This is not a complete composition disclosure.				
Hazardous Components (specific chemical identity - common name)	CAS NUMBER	OSHA PEL	ACGIH TLV	% (optional)
Alkoxylated Linear Alcohols	52232-09-4	N/A	N/A	< 5 %
	37311-02-7			
	37251-67-5			
Alkyl diphenyloxide disulfonate	28519-02-0	N/A	N/A	< 5 %
	25167-32-2			
Barrage contains alpha amylase and protease enzymes not considered hazardous per 29 CFR 1910.1200				
SECTION III				
Physical/Chemical characteristics				
Boiling Point: N/A	Vapor Pressure (mm Hg.): N/A	Vapor Density (AIR =1): N/A		
Melting Point: N/A	Specific Gravity (H2O=1): 0.805/0.810	Evaporation Rate (butyl Acetate=1): N/A		
Solubility in Water: Soluble, or dispersible to at least 5%				
Appearance & Odor: Slightly off-white, non-dusting powder; odorless.				
SECTION IV				
Fire and Explosion Hazard Data				
Flash Point (Method used): N/A		Flammable Limits:		
LEL:	UEL:			
Extinguishing Media: System does not burn; none needed.				
Special Fire Fighting Procedures: No special equipment, or procedures required.				
Unusual Fire and Explosion Hazards:		None known; however, carbonates can give up CO ₂ gas at high temperatures. Heat residue will be alkaline.		
SECTION V				
Reactivity Data				
Stability:		Unstable/Stable: Stable		
Conditions to Avoid: Wet conditions.				
Incompatibility (Materials to avoid): Do not mix with acids.				
Hazardous Decomposition or By-product:		Small amounts of SO ₂ possible, CO ₂ gas, H ₂ O vapor		
Hazardous Polymerization:		May Occur:	Will not occur: XXXX	
Conditions to Avoid: Keep away from acids and water while stored.				

BARRAGE Continued.....			
SECTION VI Health Hazard Data			
Route(s) of Entry:	Inhalation: No	Skin: Yes	Ingestion: Yes Eyes: Yes
Health Hazards (Acute and Chronic): Skin and eye irritation; harmful if swallowed.			
Carcinogenicity: No	NTP: No	LARC Monographs: No	OSHA Regulated: N/A
Signs and Symptoms of Exposure: Can cause severe eye irritation - burning and reddening of eyes. May cause skin irritation - skin reddens and may crack on continued exposure. Swallowing causes mucous membrane irritation, upset stomach.			
Medical Condition Generally Aggravated by Exposure: Skin and eyes that are irritated will be further irritated.			
Emergency and First Aid Procedures: If eye or skin contact occurs flush with cool running water for 15 minutes. If irritation persists, get medical attention. If swallowed, drink two (2) glasses of water. DO NOT INDUCE VOMITING. Get medical attention immediately. Avoid breathing mists of aqueous solutions of this product. Move to fresh air if effects occur and get medical attention.			
SECTION VII Precautions for Safe Handling and Use			
Steps to be taken in case material is released or spilled: Pick up with a still broom and a shovel. Wash down affected area, avoid making an aerosol - use low pressure. Collect waste water and dispose of it and powder in a lawful manner.			
Waste Disposal Method: No special disposal method required. Dispose of in manner consistent with applicable laws.			
Precautions to Be Taken in Handling and Storing: Keep containers tightly sealed. Store in cool, dry area. Wash hands after using. Keep out of reach of children.			
Other Precautions: Use in accordance with label directions.			
SECTION VIII Control Measures			
Respiratory Protection (Specify Type): None normally required. If mist or aerosol develops during use, wear a face mask or air purifier.			
Ventilation:	Local Exhaust: General	Special: None	
Mechanical (General): General		Other:	
Protective Gloves: Rubber or neoprene		Eye Protection: Chemical goggles	
Other Protective Clothing or Equipment: None generally needed. Keep product off body and clothing.			
Work/Hygienic Practices: Always wash hands after use. Never spray on or near food, or food contact surfaces..			

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein, Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.