

MATERIAL SAFETY DATA SHEET						
SECTION 1 - PRODUCT SOURCE AND IDENTITY						
Supplier identity and address			Product description:		Date: 11/24/2014	
ACI 1331 Summer Dawn Ave. Henderson, NV 89014			Name: Relief Purpose: Multipurpose laundry detergent Proprietary Formula Code: SM-45OS			
Emergency phone: (702) 816-0915			Product information: (702) 816-0915			
SECTION 2 - SHIPPING CLASSIFICATION						
Proper Shipping Name, Hazard Class, UN/NA Number Packing Group, Emergency Response Guide Number						
Not regulated						
Labels required per 49 CFR 172.101:			None			
Size for "Limited quantity" per 49 CFR 173.150-4:			Not applicable			
Reportable Quantity ("RQ") per 49 CFR 172.101:			None or not possible in one non-bulk package			
SECTION 3- SAFETY RATINGS AND HAZARDOUS INGREDIENT INFORMATION						
Reporting required by Title III Sec 313, 40 CFR 372, 29 CFR 1910.1200					Exposure Limit Values	
CAS#	313	Material or Component	%	RQ#	TWA	STL
141-43-5	No	Ethanolamine	<5	None	3 ppm	6 ppm
67-63-0	No	Isopropanol	<5	None	400 ppm	400 ppm
Contains quaternary ammonium compounds which may contribute to eye and skin irritation for which no exposure limits have been established.						
No component is listed in "Threshold Limit Values and Biological Exposure indices for 2005" from ACGIH except as noted above. Components listed in TITLE III SEC 313 (EPCRA) are indicated by "Yes" above.						
Note: The purpose of this MSDS is to provide safe handling, shipping and disposal information for users of the product. It is not intended to, nor does it, provide complete or extensive toxicological data on the product or its components. Users who require this information are referred to primary suppliers of the ingredients of interest.						
Emergency overview: Alkaline detergent cleaner. Keep of eyes and off of skin.						
Flush from eyes immediately to avoid permanent damage. Use standard industrial good practices.						
Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 171.8, OSHA 29 CFR 1910.1200 and SARA 302/311/312/313.	
Immediate	Yes	No	No	No		
Delayed	No	XXX	XXX	XXX		
HMIS Hazard ratings: Health 1 Fire 0 Instability 0 Other B (Glasses, gloves)						
NFPA 704 Hazard Ratings: Health 1 Fire 0 Reactivity 0 Special None						
Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4						
Note: HMIS and NFPA ratings are subjective evaluations of hazards and can differ between preparers. They are intended and useful only as a rapid approximation of the hazards rated.						
Threshold limit value: Not established on product.						
TOSCA Status: All ingredients listed				CERCLA RQ: See Sec 2.		
California Prop. 65:		None		Ingredients on cancer lists: None		
SECTION 4 - PHYSICAL AND CHEMICAL PROPERTIES						
Appearance:		Clear blue liquid		Flash point deg. F (TOC):		None
Odor:		Slight, characteristic		Initial boiling point deg. C:		100
Specific gravity:		>1		Vapor pressure 20 deg C:		ND
pH: @ 10% sol.		11.3		Freezing point deg. C:		ND
% phosphorous:		<1		Solubility in water:		100%
VOC Content:		7 g/l				
Reproductive implications:			None			
Ingredients on cancer lists:			None			
California Rule 102 (66):			Contains no photo chemically active materials.			

SECTION 5 - SAFE HANDLING AND STORAGE

General	Alkaline detergent cleaner. Keep of eyes and off of skin. Use standard industrial good practices.	
Protective equipment		
Eyes	Safety glasses or goggles should be worn if there is possibility of eye contact.	
Skin	Impermeable gloves such as rubber, PVC or neoprene are recommended.	
Respiratory protection	None normally required. If risk of inhalation occurs, select and use equipment according to OSHA/NIOSH guidelines for nuisance mists.	
Ventilation	A well ventilated work environment is recommended.	
Other	None	

SECTION 6- HEALTH SAFETY DATA

Effects of acute or chronic over exposure		
Eyes	None.	
Skin	Can cause irritation from repeated exposure.	
Inhalation	Mists may be irritating to breathing passages.	
Ingestion	Not a likely source of chronic exposure.	

SECTION 7 - PHYSICAL STABILITY AND REACTIVITY DATA

Explosive limits		Flash point:	See Sec 4	
Upper	None	Lower	None	
None		Conditions to avoid:	None known	
Chemical stability	Stable		Hazardous decomposition products: Combustion produces oxides of carbon, and nitrogen.	
Hazardous polymerization			Incompatibility:	None known
	Cannot occur			

SECTION 8- EMERGENCY RESPONSE PROCEDURES

Fire	Extinguishing media	Use equipment appropriate to the main cause of the fire.
	Special procedures	None
	Unusual hazards	None
First Aid	Eyes	Flush with water for at least 15 min. Seek medical attention. See Sec. 6.
	Skin	Wash exposed skin with soap and water until gone. Remove affected clothes rinse off product and wash clothes before reuse.
	Inhalation	If affected, remove individual to fresh air, get medical attention at once if there is any discomfort.
	Ingestion	Dilute by giving large amounts of milk or water. Get medical attention immediately. Do not induce vomiting.
	Spills	Small / large spill Small amounts may be flushed to drain. Comply with federal, state and local regulations on reporting spills. Keep out of waterways and storm sewers. Spills may be slippery.
Product used as directed is biodegradeable.		

Product as made does not qualify as an "Unlisted Hazardous Waste" for disposal situations.

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MSDS prepared by: Safety Director

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