

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT SOURCE AND IDENTITY

Supplier identity and address	Product description:	Date: Feb. 25, 2010
Glaze 'N Seal 18207 East McDermott Street, Suite C Irvine, CA 92614-6711	Name: Glaze 'N Seal Heavy Duty Cleaner Purpose: Safely clean difficult soils Proprietary Formula Code: HDC 223-0110	
Emergency phone: 800-424-9300	Product information:	800-486-1414

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:	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	STEL
111-76-2	Yes,1	2-butoxyethanol	<5	None	20 ppm (skin)	
141-43-5	No	Ethanolamine (MEA)	<10	None	3 ppm	6 ppm

Product also contains nonregulated detergents which may contribute to eye and skin irritation.
dm = de minimus, the minimum percent which must be reported in discharge or spill.

No component is listed in "THRESHOLD LIMIT VALUES AND BIOLOGICAL EXPOSURE INDICES FOR 2010" 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 solution is irritating to eyes and to skin on repeated or extended contact. Keep containers covered when not in use.

Hazard Categories:	Health	Fire	Pressure	Reactivity
Immediate	Yes	No	No	No
Delayed	No	XXX	XXX	XXX

HMIS Hazard ratings: Health 2 Fire 0 Instability 0 Other B (Glasses, gloves)

NFPA 704 Hazard Ratings: Health 2 Flammability 0 Reactivity 0 Special NA

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.

Contains no ingredients classified as known or probable carcinogens, teratogens, mutagens or neurotoxins according to: CA Prop. 65, NTP, IARC Group 1, 2A or 2B, or OSHA.

SECTION 4: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless liquid	Flash point deg. F (cc):	None to boiling
Odor:	Slight ammonia-like odor	Initial boiling point deg. C:	>100°C
Specific gravity:	Approx 1.0	Vapor pressure 20 deg C:	ND
pH reaction:	Approx. 11.5-12	Freezing point deg. C:	ND
% VOC as supplied:	None	Solubility in water:	100%
California Rule 102 (66):	Contains no photochemically active materials.		
% Phosphorous:	0.41		

SECTION 5 - SAFE HANDLING AND STORAGE

General	Alkaline surfactant solution. Keep out of eyes and off of skin. Wipe up spills promptly as they may be slippery.
Protective equipment	
Eyes	Safety glasses or goggles should be worn if there is possibility of eye contact.
Skin	Wear impermeable gloves for extended or repeated contact.
Respiratory protection	None normally required. If risk of inhalation occurs, select and use a NIOSH/OSHA approved respirator.
Ventilation	As required for worker comfort.
Other	None

SECTION 6 - HEALTH SAFETY DATA

Effects of acute or chronic over exposure	
Eyes	Acute irritant. Repeated exposure will repeat irritation.
Skin	Extended or repeated contact may dry and irritate skin.
Inhalation	Will irritate nose and breathing passages.
Ingestion	Not a likely source of chronic exposure.

SECTION 7 - PHYSICAL STABILITY AND REACTIVITY DATA

Explosive limits	Flash point:	See Sec 4
Lower: None	Upper: None	Conditions to avoid: None known.
Chemical stability: Stable	Hazardous decomposition products:	None known.
Hazardous polymerization: Cannot occur.		
Incompatibility: None known.		

SECTION 8 - EMERGENCY RESPONSE PROCEDURES

Fire	Extinguishing media	Non flammable.
	Unusual hazards	None.
First Aid	Eyes	Flush with water for at least 15 min. Seek medical attention.
	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 water or milk. Diarrhea may result from ingesting large amount, but no toxic reaction is expected.
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.
	Aquatic safety	Detergent concentrations lethal to fish always coincide with a surface tension of approximately 49 dynes/cm. For this product, this corresponds to a percentage concentration of : Unknown

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

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