



MATERIAL SAFETY DATA SHEET

Supersedes: N/A

Issue Date: 4/05

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SECTION I - CHEMICAL PRODUCT		
Identity: Liquid Hard Surface Cleaner		
Brands: DAWN Heavy Duty Degreaser (Professional Line)		
Hazard Rating: 1	Health: 1	4=EXTREME
	Flammability: 0	3=HIGH
	Reactivity: 0	2= MODERATE
		1=SLIGHT
Emergency Telephone Number: - 1-800-332-7787 or call Local Poison Control Center		

SECTION II - COMPOSITION AND INGREDIENTS					
Ingredients/Chemical Name: Water, anionic surfactant, butyl carbitol, sodium citrate, sodium carbonate, sodium cumene sulfonate, tetrasodium EDTA, color and perfume					
Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.					
<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Recommended Limits</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Sodium carbonate	Soda Ash	497-19-8	N/A	1-5%	LD50=1.86 g/kg LC50=N/A
Linear alkyl benzene sulfonate	C12.3 LAS	68081-81-2	N/A	1-4%	LD50=0.65-1.26 g/kg LC50=N/A
2-aminoethanol	Monoethanol-amine	141-43-5	ACGIH TLV: 3ppm OSHA PEL: 3mg/m ³ OSHA STEL: 6 ppm (15 min)	0.1-1%	

SECTION III - HAZARDS IDENTIFICATION	
Health Hazards (Acute and Chronic):	
Ingestion:	May cause mild mucous membrane irritation
Eye Contact:	May cause mild eye irritation.
Inhalation:	May cause mild mucous membrane irritation
Skin:	May cause mild skin irritation
Signs and Symptoms of Exposure:	
Ingestion:	Possible mild gastrointestinal irritation with nausea, vomiting and/or diarrhea.
Eye Contact:	Eye contact may result in transient, superficial effects similar to those produced by mild toilet soaps.
Skin:	May cause mild skin irritation. Use on irritated or extremely dry skin may aggravate the existing condition.
Inhalation:	N/A

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION	
Respiratory Protection (Specify Type): None required with normal use.	
Ventilation	<i>Local Exhaust:</i> Not necessary. <i>Special:</i> None
	<i>Mechanical (General):</i> Acceptable. <i>Other:</i> None
Eye Protection: None required with normal use.	
<i>Industrial Setting:</i> If splash of solution is likely, chemical goggles may be needed.	
Protective Gloves: None required with normal use.	
<i>Industrial Setting:</i> Minimize skin contact with protective gloves (rubber, neoprene).	
Other Protective Equipment: None required with normal use.	

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES	
Boiling Point °F: N/A	Specific Gravity (H₂O=1): 1.12
Vapor Pressure (mm Hg): N/A	Percent Volatile by Volume (%): N/A
Vapor Density (Air=1): N/A	Evaporation Rate (nBuOAc=1): N/K
Odor Threshold: N/A	Freezing Point: N/A
Coefficient of Water/Oil Distribution: N/A	pH (100% solution): 10.4
Scooped Density: N/A	Solubility in Water: Completely
Appearance and Odor: Clear purple liquid with pine perfume	Reserve Alkalinity: N/A

SECTION X - STABILITY AND REACTIVITY
Possible Hazardous Reactions/Conditions: None known
Conditions to Avoid: None
Materials to Avoid: None
Hazardous Decomposition Products: None known
Other Recommendations: None

SECTION XI - TOXICOLOGICAL INFORMATION
LD50 = >5.0g/kg

SECTION XII - ECOLOGICAL INFORMATION
No concerns at relevant environmental concentrations.

