



The Procter & Gamble Company
 P&G Professional
 Fabric & Home Care Innovation Center
 5299 Spring Grove Avenue
 Cincinnati, OH 45217-1087

MATERIAL SAFETY DATA SHEET

Supersedes: N/A

Issue Date: 11/03/05

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SECTION I - CHEMICAL PRODUCT		
Identity: Liquid Heavy Duty Degreaser Spray		
Brands: Mr. Clean Professional Heavy Duty Degreaser Spray		
Hazard Rating: 1	Health: 1	4=EXTREME
	Flammability: 0	3=HIGH
	Reactivity: 0	2= MODERATE
		1=SLIGHT
Emergency Telephone Number: - 1-888-474-7765 or call Local Poison Control Center		

SECTION II - COMPOSITION AND INGREDIENTS					
Ingredients/Chemical Name: Diethylenbe Glycol Monobutyl Ether (CAS# 112-34-5); Tetrasodium EDTA (CAS# 64-02-8); Sodium Citrate (CAS# 994-36-5); Sodium Cumene Sulfonate (CAS# 32073-22-6); Water (CAS# 7732-18-5): anionic surfactant, sodium carbonate, 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 VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: N/A

Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. Small quantities may be slowly flushed down sewer with excess water or dispose as liquid scrap. Discard empty container in trash.

Steps To Be Taken in Case Material is Released or Spilled: Use water spray or dilute and/or wash away spills to avoid exposure and to protect persons working to stop/repair leak.

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken in Handling and Storing: Store in a cool, dry, well ventilated area.

Other Precautions: None known

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory Protection (Specify Type): None required with normal use.

Ventilation *Local Exhaust:* Not necessary.

Special: None

Mechanical (General): Acceptable.

Other: None

Eye Protection: None required with normal use.

Industrial Setting: If splash of solution is likely, chemical goggles may be needed.

Protective Gloves: None required with normal use.

Industrial Setting: 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.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Slowly flush down sewer with excess water or dispose as liquid scrap. . DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. Discard empty container in trash.

SECTION XIV - TRANSPORT INFORMATION

DOT Classification: Not regulated

SECTION XV - ADDITIONAL REGULATORY INFORMATION

All components are listed on the US TSCA Inventory. No components are affected by Significant New Use Rules (SNURs) under TSCA §5.

No components of Heavy Duty Spray Cleaner are subject to California Proposition 65.

Chemicals required to be reported by SARA, Section 313 of Title III and of 40 CFR 372

Chemical Category	Percent by Weight
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Glycol ether	9.5%
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This information must included on all MSDSs that are copied and distributed for this material.

SECTION XVI - OTHER INFORMATION

*N/A. - Not Applicable

*N/K. - Not Known

The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.