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Procter & Gamble
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MATERIAL SAFETY DATA SHEET

Supersedes: N/A

Issue Date: 3/02

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SECTION I - CHEMICAL PRODUCT

Identity: **Liquid Hard Surface Cleaner**

Brands: **SPIC and SPAN 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 IV - FIRST AID INFORMATION**Emergency and First Aid Procedures:**

Eye contact: Flush thoroughly with water for 15 minutes. Get medical attention if irritation persists.
Skin: Rinse exposed area with soap and water and discontinue use..
Ingestion: Dilute with fluids and treat symptomatically. For large ingestions, call a physician.
Inhalation: Remove to fresh air.

Other: Product package has a caution statement: CAUTION: May cause eye irritation. EYE IRRITANT: Avoid eye contact. If eye contact occurs, flush with water for 15 minutes. If irritation persists, seek medical attention. If swallowed, drink a glass of water to dilute. Direct away from face and eyes when applying foam. KEEP OUT OF REACH OF CHILDREN

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): N/A **Explosive Limits: LEL:** N/A **UEL:** N/A

Extinguishing Media: CO₂, dry chemical, water, or "alcohol" foam.

Special Fire Fighting Procedures: Use water to keep fire exposed containers cool.

Unusual Fire Hazards: None known

Stability *Unstable:*

Conditions to Avoid: None known

Stable: X

Incompatibility (Materials to Avoid): None known

Hazardous Decomposition/By Products: None known

Hazardous Polymerization: *May Occur:* *Conditions to Avoid:* None known
Will Not Occur: X

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 Spic & Span Heavy Duty Degreaser 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
Glycol ether	9.5%

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.

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