

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical Product & Company Identification
Identity (As Used on Label and List): Head to Toe Clear
Product Class: Synthetic Soap Solution
Emergency Telephone Number: 800-255-3924
Telephone Number for Information: 800-950-1975
Distributed By:
 Dalco
 300 5th Ave NW
 New Brighton, Minnesota 55112

Section 2 - Composition/Information On Ingredients

Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	%
A	Sodium Lauryl Sulfate CAS #68585-47-7	5 - 10
B	Sodium Laureth Sulfate CAS #68385-34-2	
C	Alkyl Polyglycoside CAS #110615-47-9	1 - 5
D	Sodium Chloride CAS #7647-14-5	1 - 5
E	Cocamidopropyl Betaine CAS #61789-40-0	1 - 5
F	Lauramide DEA CAS #Mixture	1 - 5
G	Water CAS #7732-18-5	60 - 100

Section 3 - Hazards Identification

Emergency Overview
Appearance and Odor: Clear, Viscous Liquid, Fresh Scent.
Primary Hazards: No effects expected.

Potential Health Hazards
Route(s) of Entry: Skin Absorption: Ingestion: X Inhalation:
Eye: May cause eye irritation on contact.
Skin: No effects expected.
Ingestion: May be harmful if swallowed.
Inhalation: No hazardous vapors.
Signs and Symptoms of Exposure: May cause irritation to eyes on direct contact.
Carcinogenicity: NTP? No IARC Monographs? No
OSHA Regulated? No
Target Organ (s): No additional data
Medical Conditions Generally Aggravated by Exposure: Dermatitis
Health Hazards, Chronic: No effects expected.

Section 4 - First Aid Measures

Emergency and First Aid Procedures:
If Swallowed: If person can swallow, give several glasses of water. Obtain immediate medical attention. **Eye Contact:** Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. **Skin Contact:** If irritation develops, discontinue use. **For Inhalation:** Remove to fresh air. If irritation persists, get medical attention.
Sources Used: Raw material data, general toxicology from the trade for similar products.

Section 5 - Fire Fighting Measures

Flammability: No **Autoignition Temperature:** N. Ap.
Flash Point (method used): None
Flammable Limits: N. Ap. LEL UEL
Extinguishing Media: N. Ap.
Water? **Foam?** **Water Fog?**
Alcohol Foam? **CO2?** **Dry Chemical?**
Vaporizing Liquid? **Other?**
Special Fire Fighting Procedures: N. Ap.
Unusual Fire and Explosion Hazards: N. Av.
TDG Flammability Classification: Non-flammable
Sensitivity to Mechanical Impact: None
Sensitivity to Static Discharge: None

Section 6 - Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled:
 Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

Section 7 - Handling And Storage

Precautions to be Taken in Handling and Storing:
 Normal care in handling and storage.
Other Precautions: Keep out of reach of children. Keep from freezing.

Section 8 - Exposure Controls/Personal Protection

Respiratory Protection (Specify Types): Not required
Ventilation: Local Exhaust: Not required **Special:** Not required
Mechanical (General): Not required **Other:** Not required
Protective Gloves: Not required
Eye Protection: Not required **Footwear:** Not required
Other Protective Clothing or Equipment: Not required

Work/Hygienic Practices: No special procedures

Section 9 - Physical/Chemical Characteristics

Boiling Point: Approximately 212°F **pH:** 6.5 - 7.5
Specific Gravity (H2O) = 1: 1.03 **% Volatile:** > 85
Vapor Density (Air = 1): N. Av. **Odor Threshold:** N. Av.
Evaporation Rate (Butyl Acetate = 1): N. Av. **Oil/Water Distribution**
Solubility in Water: Complete **Coefficient:** N. Av.
Vapor Pressure (MM HG): N. Av.
Melting Point: N. Ap.

Section 10 - Stability And Reactivity

Stability: Unstable: Stable: X
Conditions to Avoid: N. Ap.
Incompatibility (materials to avoid): N. Av.
Hazardous Decomposition or By-products: N. Av.
Hazardous Polymerization: May occur: Will not occur: X
Conditions to Avoid: N. Ap.

Section 11 - Toxicological Information

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	None	None	N. Av.	< 5 gm/kg (rat, oral)	N. Av.
B	None	None	N. Av.	N. Av.	N. Av.
C	None	None	N. Av.	N. Av.	N. Av.
D	None	None	N. Av.	N. Av.	N. Av.
E	None	None	N. Av.	N. Av.	N. Av.
F	None	None	N. Av.	N. Av.	N. Av.
G	None	None	N. Av.	N. Av.	N. Av.

Teratogen, Mutagen, Reproductive Toxin Status: No
Toxicologically Synergistic Products: N. Av.

Section 12 - Ecological Information

Ecotoxicological Information: N. Av.
Chemical Fate Information: N. Av.

Section 13 - Disposal Considerations

Waste Disposal Method:
 Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewer, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.
RCRA Hazard Class: None

Section 14 - Transport Information

Shipping Classification: Compound, cleaning liquid, N.O.I.
UN Number: N. Ap.
Packing Group: N. Ap.

Section 15 - Preparation Data

Prepared By: Mike Elms
Telephone Number: 651-481-1900
Date: 1-10

Section 16 - Regulatory Information

US Federal Regulations
TSCA Status: All ingredients listed.
CERCLA Reportable Quality: None
SARA Title III
Section 302 Extremely Hazardous Chemicals: None
Section 311/312 Hazard Category: None
Section 313 Toxic Chemicals: None
State Regulations
 NOTICE STATE OF CALIFORNIA
 Warning: This product may contain chemicals known to the State of California to cause cancer and/or reproductive hazards as trace impurities in the standard industrial raw materials used in the manufacture of this product.
International Regulations
 WHMIS Controlled Product Hazard Class: N. Ap.

Section 17 - Other Information

None

N. Ap. - Not Applicable; N.Av. - Not Available
NFPA SYSTEM

1 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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