

MATERIAL SAFETY DATA SHEET

Claire Manufacturing
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GENERAL INFORMATION NUMBER: (800) 252-4731
CHEMTREC: (800) 424-9300

REVISION DATE: August 31, 2001
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I - Product Identification

Gleme

PRODUCT CODE: C933

CHEMICAL FORMULATION: Premoistened cleaning towel.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

HAZARD RATING: 4 - Extreme;

3 - High;

2 - Moderate;

1 - Slight;

0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

<u>SUBSTANCE</u>	<u>APPROX</u> <u>%</u>	<u>OSHA</u> <u>PEL</u>	<u>ACGIH</u> <u>TLV</u>	<u>EPA 40 CFR:</u>			<u>CAS #</u>
				<u>302</u>	<u>355</u>	<u>372</u>	
Ethyl alcohol	1.00-5.00	1000 ppm	1000 ppm	N	N	N	64-17-5
2-butoxyethanol	1.00-5.00	25 ppm (skin)	20 ppm (skin)	Y	N	Y	111-76-2

Key: **PEL:** Permissible Exposure Limit **TLV:** Threshold Limit Value **C:** Ceiling level **STEL:** Short Term Exposure Limit
N/A: Not Applicable **N/D:** Not Determined **N/E:** Not Established **Y:** Yes **N:** No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/D

SPECIFIC GRAVITY (WATER = 1): 0.9859 (concentrate)

VAPOR PRESSURE (mm Hg): N/D

VOC CONTENT (% by weight): N/D

VAPOR DENSITY (AIR = 1): N/D

EVAPORATION RATE (WATER = 1): N/D

SOLUBILITY IN WATER: Soluble (concentrate)

pH: 10.0 (concentrate)

APPEARANCE AND ODOR: White towel impregnated with a clear, pale yellow liquid; fragrant odor..

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): > 200 (concentrate)

(TEST METHOD): Open cup

FLAMMABLE LIMITS IN AIR (VOLUME %)

UPPER: 19.0

LOWER: 1.1

EXTINGUISHING MEDIA: Water, foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: None

V - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY: Oxidizing agents, reducing agents, acids, bases.

CONDITIONS TO AVOID: Keep away from heat, sparks, and open flames.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

VI - Health Hazard Data

ROUTES OF ENTRY **INHALATION:** X **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:**

INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None

EFFECTS OF OVEREXPOSURE

IF IN EYES: May cause mild irritation.

IF ON SKIN: Prolonged or repeated exposure may cause irritation. 2-butoxyethanol may affect the liver and kidneys and may increase red blood cell hemolysis.

IF SWALLOWED: Not expected to be a route of exposure.

IF INHALED: None under normal use. Prolonged exposure can be irritating to eyes, nose and respiratory tract.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.

IF ON SKIN: Flush affected area with water for at least 15 minutes. If irritation persists, obtain medical attention.

IF SWALLOWED: Contact physician or poison control center immediately. Do not induce vomiting, unless told to do so by a physician or poison control center.

IF INHALED: Remove person to fresh air. If symptoms develop, seek medical attention. Give artificial respiration, if breathing has stopped.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area. Remove all sources and contain spill. Soak up spilled material with inert absorbent material and place in a closed labeled container.

WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.

VENTILATION

LOCAL: Recommended

MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: None needed under normal use. Otherwise use safety glasses.

OTHER PROTECTIVE EQUIPMENT: Wear impervious clothing to prevent skin contact.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool dry place away from heat or open flame. Keep container tightly closed when not in use. Ensure strict sanitary conditions are conformed to when working around chemicals.

OTHER PRECAUTIONS: Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: None

DOT CLASS: None

DOT ID NUMBER: None

DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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