

# MATERIAL SAFETY DATA SHEET

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GENERAL INFORMATION NUMBER: 414-355-4000  
EMERGENCY TELEPHONE NUMBER: (800) 776-7192  
CHEMTREC: (800) 424-9300

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## I - Product Identification

### Chalkboard Cleaner

PRODUCT CODE: 8324

CHEMICAL FORMULATION: All purpose cleaner.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2

FLAMMABILITY: 2

REACTIVITY: 1

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

## II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
Diethylene glycol monobutyl ether	1.00-5.00	N/E	N/E	N	N	Y	112-34-5
Liquefied petroleum gas mixture	5.00-10.0						
Propane		2500 ppm	N/E	N	N	N	74-98-6
n-Butane		800 ppm	N/E	N	N	N	106-97-8

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/A

SPECIFIC GRAVITY (WATER = 1): 0.9503

VAPOR PRESSURE (psig): 110 @ 130F / 60 @ 70F

VOC CONTENT (% by weight): N/D

VAPOR DENSITY (AIR = 1): > 1

EVAPORATION RATE (WATER = 1): N/D

SOLUBILITY IN WATER: Moderate

pH: 10.49

APPEARANCE AND ODOR: Aerosol spray with fragrant odor.

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): None until boiling (concentrate) (TEST METHOD):

FLAME EXTENSION: N/D

FLAMMABLE LIMITS IN AIR (VOLUME %) (Concentrate) UPPER: 9.5 LOWER: 1.9 NFPA 30B Rating: 1

EXTINGUISHING MEDIA: Foam, carbon dioxide, water spray, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with full protective gear including self-contained breathing apparatus. Containers should be cooled with water to prevent vapor pressure build up. Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.

UNUSUAL FIRE AND EXPLOSION HAZARD: Exposure to temperatures above 120° may cause bursting.

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**V - Reactivity Data**

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**STABILITY:** Stable**INCOMPATIBILITY:** None.**CONDITIONS TO AVOID:** Excess heat, sparks and open flame. Dropping of container may cause bursting.**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce oxides of carbon.**HAZARDOUS POLYMERIZATION:** Will not occur.**CONDITIONS TO AVOID:** None

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**VI - Health Hazard Data**

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**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 moderate irritation.**IF ON SKIN:** Non-irritating.**IF SWALLOWED:** Not hazardous in normal industrial use.**IF INHALED:** Not hazardous in normal industrial use.**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 area with water. Remove contaminated clothing and launder separately before reuse. If irritation persists, obtain medical attention.**IF SWALLOWED:** Contact physician or poison control center immediately. Do not induce vomiting unless instructed by a physician or poison control center.**IF INHALED:** Remove person to fresh air. If breathing has stopped, give artificial respiration. If systems persists, obtain medical attention.

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**VII - Spill or Leak Protection**

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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate area and remove all sources of ignition. Soak up spilled material with inert absorbent material and place in a properly marked closed container for proper disposal.**WASTE DISPOSAL METHOD:** Consult local environmental authorities. Dispose of cans in non-incinerated trash only.

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**VIII - Special Protection Information**

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**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:** Safety glasses.**OTHER PROTECTIVE EQUIPMENT:** Impervious clothing.**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place away from heat or open flame. Do not expose to direct sunlight or store at temperatures above 120F. Wash hands before eating or smoking after using aerosol.**OTHER PRECAUTIONS:** Keep out of reach of children. Do not puncture or incinerate container.

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**IX - Transportation Information (ground transportation only)**

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**DOT PROPER SHIPPING NAME:** Consumer Commodity**DOT CLASS:** ORM-D**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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