



MATERIAL SAFETY DATA SHEET

LABORATORIES

320 37th Avenue • St. Charles, Illinois 60174 • To Reorder, Call 800-323-2594

PRODUCT IDENTIFICATION
UNITED 116

USE / DESCRIPTION
Aerosol Chalkboard Cleaner

REVISION DATE
May 8, 2001

FOR MEDICAL AND TRANSPORTATION EMERGENCIES:
INFOTRAC: 800-535-5053

HEALTH (0 = Maximum Safety) 1
Always follow Label Directions and Cautions.
4 Extreme. 3 High. 2 Moderate. 1 Slight. 0 Minimal.
See Health Hazard Data Section of this M.S.D.S. for more detailed information.

REACTIVITY (0 = Maximum Safety) 0
Susceptible to Release of Energy.
4 May detonate-vacate area if Materials are exposed to fire.
3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers.
2 Violent chemical change possible-use hose stream from distance
1 Unstable if heated-use precaution.
0 Normally stable.

FLAMMABILITY (0 = Maximum Safety) 1
Susceptibility of Material to Burning.
4 Extremely flammable. 1 Must be preheated to burn.
3 Ignites at normal temperature. 0 Will not burn.
2 Ignites when moderately heated.

PERSONAL PROTECTION



HAZARDOUS COMPONENTS IDENTITY, EXPOSURE LIMITS AND S.A.R.A. TITLE III INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	ACGIH TWA	ACGIH STEL	OSHA PEL TWA	OTHER RECOMMENDED LIMITS	S.A.R.A. TITLE III QUANTITIES
Ethylene glycol monobutyl ether	111-76-2	Skin: 20 ppm Skin: 97 mg/m ³	Not established	SKIN: 50 ppm SKIN:240 mg/m ³	NIOSH TWA SKIN: 5 ppm SKIN:24 mg/m ³	0.094*
Ethanol	64-17-5	1000 ppm 1880 mg/m ³	Not established	1000 ppm 1900 mg/m ³	NIOSH TWA 1000 ppm 1900 mg/m ³	None
Methanol	67-56-1	SKIN: 200 ppm 262 mg/m ³	250 ppm 328 mg/m ³	200 ppm 260 mg/m ³	NIOSH TWA SKIN: 200 ppm 260 mg/m ³	0.188*
Liquified Petroleum Gas	68476-85-7	1000 ppm 1800 mg/m ³	Not established	1000 ppm 1800 mg/m ³	NIOSH TWA 1000 ppm 1800 mg/m ³	None

* Pounds of reportable material per can of UNITED product.

PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT Not determined	SPECIFIC GRAVITY (H₂O = 1) Less than 1.0
VAPOR PRESSURE (psig) (At 130° F.) 140	MELTING POINT Not determined
VAPOR DENSITY (Air = 1) Greater than 1.0	EVAPORATION RATE (Ether = 1) Less than 1.0
SOLUBILITY IN WATER Complete	VOLATILE ORGANIC COMPOUNDS (V.O.C.) (Pounds Per Can Of Product) 0.11
APPEARANCE AND ODOR Wide hollow cone spray; semi-stable foam; solvent/floral odor.	pH: 10

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used) Non flammable as described in 16 CFR 1500.45.	FLAMMABLE LIMITS % Volume In Air (Propellant)	LEL 1.8	UEL 9.2
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EXTINGUISHING MEDIA
Carbon dioxide, foam, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES
Use water spray or mist to keep containers cool. Use equipment or shielding to protect personnel against bursting, rupturing or venting containers.

Firefighters should wear full-protective equipment and NIOSH approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

At elevated temperatures (over 54° C/130° F), containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

REACTIVITY DATA

STABILITY: STABLE UNSTABLE CONDITIONS TO AVOID
Temperatures above (54°C/130°F)

INCOMPATIBILITY (Materials To Avoid)

Avoid heat, flame and oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

When heated, as in a fire, carbon monoxide, carbon dioxide and other toxic chemicals may be formed in small amounts.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
MAY OCCUR

CONDITIONS TO AVOID Do not store above 54°C/130°F. Keep away from heat,
direct sunlight, open flames or sparks. Dropping containers may cause bursting.

HEALTH HAZARD DATA

HEALTH HAZARDS

EYES: May cause burning and irritation. SKIN: Prolonged or repeated contact may lead to drying, irritation and dermatitis. Possible skin absorption.

INHALATION: May cause respiratory irritation. High concentrations may produce headache, dizziness, and nausea.

IF SWALLOWED: Swallowing significant quantities may result in red blood cell hemolysis. Aspiration into lungs may cause chemical pneumonitis.

CARCINOGENICITY: NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No
This product contains a chemical known to the state of California to cause cancer or reproductive toxicity? No

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Burning and irritation SKIN: Drying, irritation, dermatitis INHALATION: Headache, dizziness, nausea, drowsiness

IF SWALLOWED: Upset stomach, vomiting, diarrhea

TARGET ORGANS:

Skin, eyes, blood and central nervous system

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE

Pre-existing skin or eye disorders may be aggravated by exposure to this product.

EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush with plenty of cool water for 15 minutes while holding eyelids open. Call a physician or poison center immediately. SKIN: Flush with water followed with soap and water.

If irritation persists, call a physician or poison center. INHALATION: Remove to fresh air. Apply CPR if needed. If irritation persists, call a physician or poison center.

IF SWALLOWED: Call a physician or poison center immediately.

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container.

WASTE DISPOSAL METHOD

Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled.

Dispose container in accordance with local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation.

Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 130°F/54°C. Store as Level 1 Aerosol (NFPA 30B).

CONTROL MEASURES

FOR USE WHERE SIGNIFICANT EYE, SKIN OR INHALATION EXPOSURE IS LIKELY

RESPIRATORY PROTECTION (Specify Type)

If TLV is exceeded, use NIOSH or MSHA approved respirator

VENTILATION: MECHANICAL (General)

Provide adequate ventilation

LOCAL EXHAUST

Generally adequate

PROTECTIVE GLOVES

Chemical resistant gloves

EYE PROTECTION

Chemical safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Impervious clothing to prevent skin contact

WORK HYGENIC PRACTICES

Remove contaminated clothing and wash with soap and water before reusing. Wash hands and face with soap and water after using this product.