MANUFACTURED FOR:

UNISOURCE WORLDWIDE, INC. 1100 CASSATT ROAD

BERWYN, PA 19312-0935

24 HR. EMERGENCY NO. (800)535-5053

PRODUCT NAME: #1032 CHALKBOARD CLEANER

UNISOURCE ITEM #: 920833 DATE ISSUED: 01/01/99

SUPERSEDES:

NFPA RATING: HEALTH 1 FLAMMABILITY O REACTIVITY O

HMIS RATING: HEALTH 1 FLAMMABILITY O REACTIVITY O

THIS MSDS COMPLIES WITH OSHA'S HAZARD COMM. STANDARD 29 CFR 1910.1200 AND OSHA FORM 174

DOT HAZARD CLASSIFICATION \*: CONSUMER COMMODITY, ORM-D

IDENTITY (TRADE NAME): #1032 CHALKBOARD CLEANER

MSDS NUMBER \*: 1032-99-1

DATE PREPARED: 01/01/99

PREPARED BY: REGULATORY DEPT.

# SECTION II - INGREDIENTS/IDENTITY INFORMATION

COMPONENTS (SPECIFIC CHEMICAL IDENTITY, COMMON NAME(S))	CAS NO.	OSHA PEL	ACGIH- OTHER LIMITS TLV RECOMMENDED	% (OPT.)
ISOBUTANE PROPANE WATER QUATERNARY AMMONIUM	75-28-5 74-98-6 7732-18-5	800 PPM 1000 PPM NONE	800 PPM ASPHYXIANT NONE	1 - 15 1 - 5
COMPOUND, SOYA BASE AMMONIUM HYDROXIDE OTHER NON-REGULATED	68308-67-8 1336-21-6	NONE NONE	NONE NONE	
INGREDIENTS	MIXTURE	NONE	NONE	

NONE OF THE COMPOUNDS IN THIS PRODUCT ARE CURRENTLY SUBJECT TO REPORTING UNDER SARA TITLE III SEC. 313 (CFR 372).

ANY SUBSTANCE LISTED AS HAZARDOUS BY THE STATES OF CALIFORNIA, FLORIDA, ILLINOIS, MICHIGAN, NEW JERSEY, OHIO, PENNSYLVANIA OR TEXAS IS DESCRIBED ABOVE IF KNOWN PRESENT IN REGULATED CONCENTRATIONS.

PRODUCT NAME: #1032 CHALKBOARD CLEANER

DATE ISSUED: 01/01/99

UNISOURCE ITEM #: 920833

SUPERSEDES:

# SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: CONCENTRATE-INITIAL 212 F SPECIFIC GRAVITY (H20=1): CONCENTRATE 1.0

PRESSURE (PSIG. @ 70 F): 66 +/- 5

MELTING POINT: NO DATA

VAPOR DENSITY (AIR=1): GREATER THAN 1

EVAPORATION RATE (BUTYL ACETATE=1): NO DATA

SOLUBILITY IN WATER: INFINITE

PH: 9.5 + 0.5

APPEARANCE AND ODOR: CLEAR COLORLESS LIQUID WITH A SPEARMINT-AMMONIA ODOR

IN AN AEROSOL PACKAGE.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

USA FLAME PROJECTION TEST (ASTM D-3065)

O" - EXTINGUISHES FLAME

FLAMMABLE LIMITS: NO DATA

LEL - NO DATA UEL - NO DATA

EXTINGUISHING MEDIA -

THIS PRODUCT DOES NOT SUPPORT COMBUSTION. IF NECESSARY, CARBON DIOXIDE. DRY CHEMICAL, FOAM, FOG, OR WATERSPRAY MAY BE USED.

SPECIAL FIRE FIGHTING PROCEDURES - USE WATER SPRAY TO KEEP CONTAINERS COOL AND VAPORS DOWN. DO NOT ALLOW RUNOFF TO ENTER SEWERS OR PUBLIC WATERCOURSES. WEAR SELF-CONTAINED BREATHING APPARATUS IN CHEMICAL FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARDS -AEROSOL CONTAINER (PRESSURIZED) MAY BURST IF HEATED OVER 120 F.

SECTION V - REACTIVITY DATA

STABILITY: UNSTABLE - CONDITIONS TO AVOID: EXTREME HEAT, DIRECT SUBJECT.

STABLE - X

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE,

NITROUS OXIDES.

MAY OCCUR -HAZARDOUS

CONDITIONS TO AVOID: NONE KNOWN

POLYMERIZATION WILL NOT OCCUR - X

PRODUCT NAME: #1032 CHALKBOARD CLEANER DATE ISSUED: 01/01/99

UNISOURCE ITEM #: 920833

SUPERSEDES:

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: EYES? YES INHALATION? NO SKIN? YES INGESTION? NO

HEALTH HAZARDS (ACUTE AND CHRONIC) - WARNING. CAUSES EYE AND SKIN IRRITATION. REPEATED OR PROLONGED OCCUPATIONAL OVEREXPOSURE MAY CAUSE DERMATITIS OR DRY SKIN. FOLLOW GOOD CHEMICAL HYGIENE PRACTICES TO AVOID THESE HAZARDS.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO NONE KNOWN

SIGNS AND SYMPTOMS OF EXPOSURE - REDNESS, TEARING, STINGING IN EYES. REDNESS. DRYING. CRACKING OF SKIN. NAUSEA, VOMITING HEADACHES, OR COUGHING.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE PRE-EXISTING SKIN DISORDERS.

EMERGENCY AND FIRST AID PROCEDURES: -EYES - FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES LIFTING EYELIDS TO INSURE COMPLETE REMOVAL. GET IMMEDIATE MEDICAL ATTENTION. INGESTION - DO NOT INDUCE VOMITING. CALL A PHYSICIAN OR POISON CONTROL CENTER. INHALATION -GET TO FRESH AIR. IF BREATHING HAS STOPPED. QUALIFIED PERSONNEL SHOULD ADMINISTER ARTIFICIAL RESPIRATION. SKIN - FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED - ISOLATE TRAFFIC AND VENTILATE AREA. ELIMINATE ALL IGNITION SOURCES. WEAR PROTECTIVE GEAR AS NECESSARY. DIKE TO PREVENT SPREAD. CAUTION - SLIP HAZARD. PICK UP ON ABSORBENT MATERIAL AND PUT IN SUITABLE CONTAINER.

WASTE DISPOSAL METHOD - CONSULT LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT PUNCTURE OR INCINERATE CONTAINER. REPLACE CAP ON EMPTY CAN, WRAP, THEN DISCARD CONTAINER IF ALLOWED BY APPLICABLE STATUTES.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING - AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. STORE IN A COOL (UNDER 120 F) DRY LOCATION AWAY FROM HEAT, SPARKS, OPEN FLAME, AND DIRECT SUNLIGHT. DIRECT SPRAY AWAY FROM FACE. REPLACE CAP WHEN NOT IN USE. DO NOT USE AROUND IGNITION SOURCES SUCH AS HEAT, SPARKS, OPEN FLAME, ETC.

PRODUCT NAME: #1032 CHALKBOARD CLEANER

DATE ISSUED: 01/01/99

UNISOURCE ITEM #: 920833

SUPERSEDES:

OTHER PRECAUTIONS - FOLLOW LABEL DIRECTIONS CAREFULLY. KEEP OUT OF REACH OF CHILDREN. DO NOT DELIBERATELY CONCENTRATE AND INHALE VAPORS.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE) - NOT USUALLY NECESSARY. USE WITH ADEQUATE VENTILATION. IF PELS OR TLVS ARE EXCEEDED (SEE SECTION II), USE AN APPROVED NIOSH/MSHA RESPIRATOR.

VENTILATION: LOCAL EXHAUST - NOT USUALLY NECESSARY SPECIAL - NONE

MECHANICAL (GENERAL) - YES

OTHER - NONE

PROTECTIVE GLOVES ONLY IF PROLONGED EXPOSURE POSSIBLE

EYE PROTECTION YES (APPROVED SAFETY GLASSES (Z87) OR GOGGLES.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT -NOT USUALLY NECESSARY. USE APRON, BOOTS, FACE - SHIELD, ETC. IF CONTACT POSSIBLE.

WORK/HYGIENIC PRACTICES -NORMAL. WASH THOROUGHLY BEFORE EATING, DRINKING, SMOKING, USING RESTROOMS, ETC.

DISCLAIMER OF WARRANTIES

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY NATURE ARE MADE WITH RESPECT TO THE PRODUCT(S) OR INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET.

THE INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS MATERIAL SAFETY DATA SHEET ARE SUPPLIED PURSUANT TO 29 CFR 1910.1200 OF THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS HAZARD COMMUNICATION RULE. ALL INFORMATION CONTAINED HEREIN IS PRESENTED IN GOOD FAITH AND IS BELIEVED TO BE APPROPRIATE AND ACCURATE.

THE BUYER OR USER ASSUMES ALL RISKS ASSOCIATED WITH THE USE, MISUSE OR DISPOSAL OF THIS PRODUCT. THE BUYER OR USER IS RESPONSIBLE TO COMPLY WITH ALL FEDERAL, STATE OR LOCAL REGULATIONS CONCERNING THE USE, MISUSE OR DISPOSAL OF THESE PRODUCTS.