

# MATERIAL SAFETY DATA SHEET

## BRITE GLASS CLEANER

DATE: 12/31/03  
SUPERSEDES: 12/18/00

HAZARD RATINGS (0-4)  
FIRE 1            REACTIVITY 0  
TOXICITY 1      SPECIAL

SUPPLIER:      MIDLAND PRODUCTS  
                  18600 GRAPHICS COURT    TINLEY PARK, IL 60477  
                  (708) 444-8200

TRADE NAME:        BRITE GLASS CLEANER  
PRODUCT TYPE:     LIQUID CLEANER  
CHEMICAL FORMULA: MIXTURE  
CHEMICAL NAME:    N/A

### COMPONENT LIST - SECTION I

<u>COMPONENT</u>	<u>CAS</u>	<u>%</u>	<u>TLV</u>	<u>TLV</u>
	<u>REG#</u>		<u>OSHA</u>	<u>ACGIH</u>
2-BUTOXYETHANOL*	111-76-2	1 - 2	25 ppm	20 ppm
ISOPROPYL ALCOHOL	67-63-0	< 5	400 ppm	400 ppm
SURFACTANTS	N/A	< 1	N/A	N/A
CHELATING AGENT	N/A	< 1	N/A	N/A
AMMONIA	7664-41-7	< 1	50 ppm	25 ppm

This item is subject to reporting requirements under SARA III, Section 313.

### PHYSICAL PROPERTIES - SECTION II

APPEARANCE:        CLEAR BLUE LIQUID WITH SLIGHT AMMONIA ODOR  
pH:                    10.5 - 11.0  
VISCOSITY:           < 2  
FREEZING POINT:    32° F, FREEZE/THAW STABLE  
BOILING POINT:     ~200° F  
VAPOR PRESSURE:    N/D  
VAPOR DENSITY:     <1  
SOLUBILITY IN WATER: COMPLETE  
VOLATILE (% WT):   APPROX. 99  
SPECIFIC GRAVITY:   0.99  
EVAPORATION RATE: <1

### FIRE AND EXPLOSION HAZARD - SECTION III

FLASH POINT:        NONE  
LOWER EXPLOSION LIMIT:    N/D                    UPPER EXPLOSION LIMIT:    N/D  
AUTO IGNITION TEMP:      N/D  
EXTINGUISHING MEDIUM:    FOAM, ALCOHOL FOAM, CO<sub>2</sub>, DRY CHEMICAL, WATER SPRAY  
SPECIAL FIRE FIGHTING PROCEDURES:  
                  COOL AND USE CAUTION WHEN APPROACHING FIRE-EXPOSED CONTAINERS  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
                  CONTAINERS MAY BURST IN HEAT OF FIRE. VAPORS MAY TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK.

### HEALTH HAZARDS - SECTION IV

THRESHOLD LIMIT VALUES: NONE ESTABLISHED  
PRIMARY ROUTES OF EXPOSURE: EYE, SKIN, INHALATION  
CARCINOGENS OR SUSPECTED CARCINOGENIC INGREDIENTS: NONE  
EFFECTS OF OVEREXPOSURE:  
                  IF IN EYES - DIRECT CONTACT CAN CAUSE IRRITATION.  
                  IF ON SKIN - PROLONGED OR REPEATED CONTACT MAY CAUSE IRRITATION.  
                  IF INHALED - SPRAY MIST MAY CAUSE IRRITATION TO NOSE, THROAT AND LUNGS.  
                  IF SWALLOWED - MAY CAUSE NAUSEA, VOMITING AND ABDOMINAL PAIN.

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**EMERGENCY AND FIRST AID PROCEDURES:**

IF IN EYES: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING LOWER AND UPPER LIDS. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

IF ON SKIN: WASH WITH SOAP AND WATER.

IF INHALED: IF MIST CAUSES DISCOMFORT, LEAVE AREA AND MOVE TO FRESH AIR.

IF SWALLOWED: DRINK LARGE AMOUNTS OF WATER OR MILK AND SEEK MEDICAL ATTENTION.

DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

**REACTIVITY - SECTION V**

STABILITY: STABLE

CONDITIONS TO AVOID: NONE KNOWN

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY YIELD OXIDES OF CARBON.

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG ACIDS, BLEACH

**SPILLS OR LEAK PROCEDURE - SECTION VI**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

ELIMINATE ALL IGNITION SOURCES. RINSE AREA THOROUGHLY WITH WATER.

WASTE DISPOSAL METHODS:

WASTE FROM NORMAL PRODUCT USE MAY BE SEWERED IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

**SPECIAL PROTECTION - SECTION VII**

VENTILATION TYPE: GENERAL ROOM VENTILATION IS NORMALLY ADEQUATE.

RESPIRATORY PROTECTION: NONE NEEDED UNDER NORMAL USE CONDITIONS.

PROTECTIVE GLOVES: NOT NORMALLY REQUIRED.

EYE PROTECTION: SAFETY GLASSES IF SPLASHING LIKELY.

OTHER PROTECTIVE EQUIPMENT: UNK

**STORAGE AND HANDLING - SECTION VIII**

KEEP FROM FREEZING. DO NOT WELD, HEAT OR DRILL ON OR NEAR CONTAINER.

**SHIPPING - SECTION IX**

PROPER SHIPPING NAME: COMPOUNDS, CLEANING LIQUID, NOI

**MISCELLANEOUS - SECTION X**

VOC: < 7%

ABBREVIATIONS:

N/A: NOT APPLICABLE

UNK: UNKNOWN

N/D: NOT DETERMINED

< : LESS THAN

N/E: NOT ESTABLISHED

> : GREATER THAN

PREPARED BY: JOHN ROTH