

*** MATERIAL SAFETY DATA SHEET ***
AEROSOL GLASS CLEANER (U006-002)
(PAGE 1)
DATE OF PREP: 10/29/99

SECTION A

DISTRIBUTOR: UV PROCESS SUPPLY
ADDRESS: 1229 W. CORTLAND
CHICAGO, IL 60614-4805
TELEPHONE #: (773) 248-0099

EMERGENCY#: (800) 228-5635, ext. 009

MFG.CODE ID : 040 – GRAPHIC ARTS GLASS CLEANER 15 OZ.
TRADE NAME : AEROSOL GRAPHIC ARTS GLASS CLEANER 15 OZ.

PRODUCT HAZARD RATING:

HEALTH = 1 FIRE = 1 REACTIVITY = 1 PROTECTIVE EQUIPMENT = A (HMIG)
(Rating Legend: 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal)

SECTION B HAZARDOUS COMPONENTS

CHEMICAL NAMES	CAS#	EXPOSURE LIMITS (LD50 – ORAL RAT)	SARA TITLE III SEC 313	ACGIH TLV/TWA	OSHA PEL (SKIN)	% BY WT.
2-BUTOXYETHANOL	111-76-2	1.480G/KG	YES	25PPM	25PPM	1-10
ETHYL ALCOHOL	64-17-5	13.7G/KG	--	1000	1000	4-20
METHYL ALCOHOL	67-56-1	5.6G/KG	YES	200	200	<1.0
DEIONIZED WATER	7732-18-5	--	--	--	--	70-90
LIQUEFIED PETROLEUM GAS	68476-85-7	NE	--	1000	1000	1-5

UNIDENTIFIED INGREDIENTS ARE NOT CONSIDERED HAZARDOUS UNDER THE FEDERAL HAZARD COMMUNICATION STANDARD.

COMPONENTS LISTED AS A SUSPECTED CARCINOGEN: NONE.

SECTION C PHYSICAL CHARACTERISTICS

BOILING POINT: N/A
SOLUBILITY IN WATER: COMPLETE
APPEARANCE & ODOR: WIDE HOLLOW CONE SPRAY; SEMI-STABLE FOAM WITH FLORAL ODOR
VAPOR PRESSURE: 140 (PSIG) @ 130F
VAPOR DENSITY (AIR=1): >1
SPECIFIC GRAVITY (WATER = 1): <1
EVAPORATION RATE: <1

SECTION D FIRE AND EXPLOSION HAZARDS

AEROSOL FLAMMABILITY: THIS PRODUCT IS CONSIDERED TO BE NON-FLAMMABLE AS DESCRIBED IN 16CFR 1500.45.

FLAMMABLE LIMITS [% BY VOLUME IN AIR (PROPELLANT)]: LEL: 1.8 UEL: 9.2

EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM AND/OR DRY CHEMICAL MAY BE USED.

SPECIAL FIRE FIGHTING PROCEDURES: 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 HAZARDS: AT ELEVATED TEMPERATURES (OVER 54C – 130F), CONTAINERS EXPOSED TO DIRECT FLAME OR HEAT CONTACT SHOULD BE COOLED WITH WATER TO PREVENT WEAKENING OF CONTAINER STRUCTURE.

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SECTION E REACTIVITY DATA

STABILITY: STABLE
HAZAROUS POLYMERIZATION: N/A
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS, HEAT AND OPEN FLAME.
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE AND ADDITIONAL HAZARDOUS CHEMICALS MAY BE FORMED IN SMALL AMOUNTS.
CONDITIONS TO AVOID: DO NOT STORE ABOVE 54C – 130F. KEEP AWAY FROM HEAT, DIRECT SUNLIGHT, OPEN FLAMES AND SPARKS. DROPPING OF CONTAINERS MAY CAUSE BURSTING.

SECTION F HEALTH INFORMATION

ROUTES OF ENTRY: INHALATION, EYES, SKIN, AND INGESTION
SIGNS AND SYMPTOMS OF EXPOSURE: RESPIRATORY IRRITATION. HIGH CONCENTRATIONS MAY PRODUCE HEADACHE, DIZZINESS, AND NAUSEA. PROLONGED OR REPEATED SKIN CONTACT MAY LEAD TO DRYING, IRRITATION AND DERMATITIS. POSSIBLE SKIN ABSORPTION. EYE CONTACT MAY CAUSE BURINING AND IRRITATION. THIS PRODUCT CONTAINS 2-BUTOXYETHANOL, WHICH IF INGESTED IN SIGNIFICANT QUANTITIES MAY RESULT IN RED BLOOD CELL HEMOLYSIS.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: PRE-EXISTING SKIN OR EYE DISORDERS MAY BE AGGRAVATED BY THIS PRODUCT.
EMERGENCY AND FIRST AIR PROCEDURES:
EYE CONTACT: FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET PROMPT MEDICAL ATTENTION.
SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. FLUSH SKIN WITH WATER, FOLLOW BY WASHING WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. DO NOT REUSE CLOTHING UNTIL CLEANED.
INHALATION: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.
INGESTION: CONTACT LOCAL POISON CONTROL CENTER OR PHYSICIAN IMMEDIATELY.

SECTION G PRECAUTIONS FOR SAFE HANDLING AND USE

RELEASES OR SPILLS: REMOVE ALL SOURCES OF IGNITION AND VENTILATE AREA. SOAK UP SPILL WITH AN INERT ABSORBENT AND PLACE INTO A DESIGNATED DISPOSAL CONTAINER. CONSULT LOCAL REGULATORY AGENCY FOR PROPER DISPOSITION OF MATERIAL.
WASTE DISPOSAL METHOD: DO NOT PUNCTURE OR INCINERATE CONTAINERS. WHEN CONTENTS ARE DEPLETED CONTINUE TO DEPRESS BUTTON UNTIL ALL GAS IS EXPELLED. DISPOSED OF CONTAINER IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
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 130F (54C). STORE AS LEVEL I AEROSOL (NFPA 30B).
OTHER PRECAUTIONS: PLEASE READ AND FOLLOW THE DIRECTIONS ON THE PRODUCT LABEL; THEY ARE YOUR BEST GUIDE TO USING THIS PRODUCT IN THE MOST EFFECTIVE WAY, AND GIVE THE NECESSARY SAFETY PRECAUTIONS TO PROTECT YOUR HEALTH.

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(PAGE 3)
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EMPLOYEE PROTECTION

RESPIRATORY PROTECTION (TYPE): NON REQUIRED IF GOOD VENTILATION IS MAINTAINED. IF EXPOSURE EXCEEDS OCCUPATIONAL EXPOSURE LIMITS (SEC. II), USE A NIOSH APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE.

VENTILATION: LOCAL EXHAUST IS ADEQUATE UNDER NORMAL CONDITIONS; MECHANICAL VENTILATION IS OPTIONAL.

PROTECTIVE GLOVES: OPTIONAL: CHEMICAL RESISTANT GLOVES*

EYE PROTECTION: CHEMICAL SAFETY GLASSES ARE RECOMMENDED*

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: WEAR IMPERVIOUS CLOTHING TO PREVENT SKIN CONTACT.

WORK/HYGIENIC PRACTICES: ENSURE STRICT SANITARY CONDITIONS ARE CONFORMED TO WHEN WORKING AROUND CHEMICALS. PROTECTIVE CLOTHING AND EQUIPMENT SHOULD BE IN ACCORDANCE WITH 29 CFR 1910.132. AND CFR 1910.133.

SECTION I

OTHER REGULATORY CONTROLS

GOVERNMENTAL LISTINGS: INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.

SECTION J

TRANSPORTATION (D.O.T. CLASSIFICATION)

SHIPPING NAME: CONSUMER COMMODITY
HAZARD CLASS: ORM-D

NG – NEGLIGIBLE
NA – NOT APPLICABLE
NE – NOT ESTABLISHED
UN – UNAVAILABLE
ND – NOT DETERMINED

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