

MATERIAL SAFETY DATA SHEET

ISSUE DATE: 12/13/04

PAGE 1 OF 2

I. IDENTIFICATION

DISTRIBUTOR ..... ENERGY MIZER  
 295 EDWARDIA DRIVE  
 GREENSBORO NC  
 EMERGENCY PHONE NUMBER: 336-852-4550  
 PRODUCT NAME ..... GLASS & WINDOW CLEANER 301  
 CHEMICAL FAMILY ..... Solvent/ Ammonia/ Surfactant Blend

II. PHYSICAL DATA

BOILING POINT--- 180 deg F SOLUBILITY (WATER).. Completely Soluble  
 VAPOR PRESSURE.. Undetermined ODOR ..... Ammonia odor  
 VAPOR DENSITY... less than 1 APPEARANCE..... Clear blue liquid  
 % VOLATILES.... 98.00 SPECIFIC GRAVITY ... 0.955  
 pH of PRODUCT ... 10.5 -11.5 EVAPORATION RATE... (water=1): 1

III. CHEMICAL COMPONENTS

COMPONENT	HAZARD	from %	to %	T. L. V
%1 Isopropanol 67-63-0	Flammable	20 -	24	400ppm
(2) 2-Propanol -1-butoxy 005131-66-8		5 -	10	
(3) *Aqua Ammonia 7664-41-7	Severe eye and skin irritant	0 -	2	255ppm
(4)				
(5)				
(6)				

S. A. R. A. Title III reportable =

IV. FIRE AND EXPLOSION DATA

FLASH POINT (°F) ... 84 deg. F. TCC FLAMMABLE LIMITS: (upper) N/A EXTINGUISHING MEDIA. Alcohol - type SPECIAL FIRE-FIGHTING PROCEDURES. .  
 use self-contained breathing apparatus and protective clothing.  
 use water spray to cool fire-exposed containers. UNUSUAL FIRE AUG EXPLOSION HAZARDS. .  
 Keep away from flames, smoking and teat.  
 (lower) UNA

or universal-type foams for large s, carbon

V. HEALTH HAZARD DATA

T L V... No ACGIH TLV PUBLISHED PEL..... NO OSHA PEL PUBLISHED  
 EYES.. Vapors, liquid, and mists may cause eye irritation.  
 SKIN.. Prolonged contact may use mild skin irritation.  
 INHALATION ... Prolonged overexposure To either vapor or mist may cause chest discomfort and coughing.  
 INGESTION ... May be harmful is swallowed in large quantity. May cause stomach cramps, diarrhea, drowsiness, pain, nausea, and vomiting.

EFFECTS OF ... See above.  
 OVEREXPOSURE

\*\*\*\*\*FIRST AID\*\*\*\*\*

EYES: Flush with plenty of fresh water. if irritation persists, get medical attention without delay.

SKIN: Exposed skin should be thoroughly occurs, CONSULT PHYSICIAN. rinsed with fresh water. If irritation

INHALATION. Remove patient to fresh air. Get medical attention as soon as I possible.

INGESTION DO NOT INDUCE VOMITING. Give at least two glasses of water. A

PHYSICIAN SHOULD BE SEEN IMMEDIATELY.  
 NOTE TO PHYSICIAN: There is no Specific antidote. Treatment of overexposure.

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VI. REACTIVITY DATA

STABILITY.....STABLE  
 CONDITIONS TO.....High Temperatures and strong oxidizing conditions.  
 AVOID  
 INCOMPATIBILITY ....Avoid strong oxidating agents, extended contact with air/  
 oxygen, non-ferrous metals, concentrated nitric.  
 HAZARDOUS .....Incomplete combustion will generate highly poisonous carbon  
 DECOMPOSITION PRODUCTS monoxide and perhaps other toxic gases.  
 HAZARDOUS POLYMERIZATION WILL NOT OCCUR  
 CONDITIONS TO AVOID None

VII. SPILL OR LEAK PROCEDURES

<input checked="" type="checkbox"/> STOP FLOW	<input checked="" type="checkbox"/> AVOID SKIN CONTACT	<input type="checkbox"/> USE AS LANDFILL
<input type="checkbox"/> NEUTRALIZE	<input checked="" type="checkbox"/> ELIMINATE ALL SOURCES	<input checked="" type="checkbox"/> OBSERVE FEDERAL
<input checked="" type="checkbox"/> ABSORB OR SCRAPE	<input type="checkbox"/> OF IGNITION OR FLAME	<input type="checkbox"/> SPILL & WATER
<input type="checkbox"/> UP MATERIAL	<input checked="" type="checkbox"/> WASH AWAY WITH WATER	<input type="checkbox"/> QUALITY REGULATIONS
<input checked="" type="checkbox"/> AVOID INHALATION	<input checked="" type="checkbox"/> VACUUM UP	<input type="checkbox"/> BURY IN REMOTE AREA

WASTE DISPOSAL METHOD

After spill is contained, and the excess is absorbed onto an absorbent medium, dispose of it in accordance with applicable local, state and federal regulations

VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY .....!-Usually 1-none 2-Particle removing air purifying  
 respirator (mechanical filter) 3- Gas and vapor removing air purifying  
 respirator (canister)  
 SKIN..... Gloves-use chemical resistant or neoprene type  
 EYES..... Goggles, face shield, or safety glass with side shield.  
 VENTILATION.....  General Ventilation  Local Exhaust  
 OTHER PROTECTION ..... A protective splash apron may be used to protect clothing.  
 Eye wash and safety shower is recommended in use area.

IX. SPECIAL PRECAUTIONS

Store only in tightly closed or properly vented containers away from heat, sparks; open flame or strong oxidizing agents. Dispose of empty containers with care/combustible residue can burn if exposed to heat.  
 Classified as a combustible  
 - 43 CFR Subpart O 173.150(e).

X. REGULATORY INFORMATION

DOT SHIPPING NAME... COMBUSTIBLE LIQUID, N.O-S. CONTAINS ISOPROPYL ALCOHOL  
 HAZARD CLASS / # ..NONE ? PACKING GROUP III  
 •3H/NIA..... NA1993 REPORTABLE QTY. ....  
 S. A. R. A ..... \*See Sec. III - Ga or less in container  
 exempt  
 T-S.C.A.. ..... All Chemicals are listed on the TSCA inventory  
O. S. H. A. HAZARD CLASS: HEALTH..... I REACTIVITY..... 0

XI. MISCELLANEOUS

DATE OF LAST REVISION: 2/05/99 COMPANY CONTACT; JERRY or Rick SHAPIRO-(11)  
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