

MATERIAL SAFETY DATA SHEET

Page

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EMERGENCY NO. 1-888-660-6737 (INFOTRAC)

SECTION 1. IDENTIFICATION OF PRODUCT

Product Name: AMMONIATED TWENTY TO ONE CONCENTRATED WINDOW CLEANER
 Date Issued: 03/11/99
 Supersedes: 01/26/95
 Unisource Item #: U17965, U17966

SECTION 2. INGREDIENTS	CAS NUMBER	PERCENT	EXPOSURE LIMITS IN AIR		
			OSHA PEL	ACGIH TLV	OTHER
ISOPROPYL ALCOHOL	67-63-0	7-8	400 ppm	TWA	400 ppm
AMMONIA	7664-41-7	7-9	35 ppm	TWA	25 ppm
COLORANT		TRACE			
WATER		<04.50			

N/A = Not Applicable; N/D = Not Determined

THESE MATERIALS ARE SUBJECT TO THE REPORTING REQUIREMENTS UNDER SARA TITLE III, SECTION 313 AND 40 CFR PART 372.

SECTION 3. PHYSICAL DATA

Boiling Point (F): < 212 Specific Gravity (Water = 1): 0.98
 Vapor Pressure (mm Hg.): > 17 Percent Volatile (By Volume): 99
 Vapor Density (Air = 1): N/D Evaporation Rate (Water = 1):
 Solubility in Water: SOLUBLE pH Range: 10.5 - 12.5
 Appearance and Odor: CLEAR BLUE/ AMMONIA SCENT

SECTION 4. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Test Method): NON FLAMMABLE

Flammable Limits LEL = N/A UEL = N/A

Extinguishing Media: CO2, DRY CHEMICAL, FOAM, WATER FOG

Special Fire Fighting Procedures: NORMAL FIRE FIGHTING PROCEDURES MAY BE USED. COOL AND USE CAUTION WHEN APPROACHING OR HANDLING FIRE EXPOSED CONTAINERS.

Unusual Fire & Explosion Hazards: CONTAINERS MAY BURST IN HEAT

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SECTION 5. REACTIVITY DATA

Stability: STABLE

Incompatibility - Materials to Avoid: THIS PRODUCT IS ALKALINE IN NATURE
AND IS NOT COMPATIBLE WITH STRONG ACIDS.

Hazardous Polymerization: WILL NOT OCCUR

Conditions to Avoid: NONE KNOWN TO UNISOURCE.

Hazardous Decomposition Products: WHEN EXPOSED TO FIRE, PRODUCES NORMAL
PRODUCTS OF COMBUSTION.

SECTION 6. SPILL, LEAK AND DISPOSAL PROCEDURES

Spill Response: FOR SMALL SPILLS, DILUTE WITH WATER AND PICK UP WITH MOP
AND PAIL. FOR LARGE SPILLS, DIKE AREA TO CONTAIN SPILL. CLEAN UP
USING ABSORBENT MATERIAL. PLACE ALL CONTAMINATED MATERIAL IN A CLOSED
CONTAINER FOR DISPOSAL.

Product Disposal: WASTE FOR DILUTED PRODUCT MAY BE FLUSHED TO SEWER.
UNDILUTED PRODUCT RECOVERED FROM SPILLS MAY BE SENT TO A LICENSED
DISPOSAL FACILITY TO BE DISPOSED OF ACCORDING WITH FEDERAL/ STATE
REGULATIONS AND LOCAL ORDINANCES.

Container Disposal: TRIPLE RINSE EMPTY CONTAINER THOROUGHLY WITH WATER
AND DISCARD IN REGULAR TRASH COLLECTION IF ALLOWED BY LOCAL, STATE AND
FEDERAL REGULATIONS.

SECTION 7. HEALTH HAZARD DATA

Primary Route(s) of Entry: EYES, SKIN

Symptoms of Overexposure:

Eye Contact: EYE IRRITANT. IF NOT PROMPTLY TREATED, EYE DAMAGE MAY RESULT.

Skin Contact: PROLONGED AND REPEATED CONTACT CAN CAUSE DRYNESS AND IRRITATION.

Inhalation: NO HEALTH EFFECTS ARE KNOWN TO OCCUR FROM INHALATION OF
THIS PRODUCT UNDER NORMAL USE IN WELL VENTILATED AREAS. HIGH AIRBORNE
CONCENTRATIONS OF MIST OF THIS PRODUCT MAY CAUSE IRRITATION OF THE
UPPER RESPIRATORY TRACT.

Ingestion: INGESTION OF THIS PRODUCT MAY CAUSE DAMAGE TO THE MEMBRANES OF MOUTH
THROAT AND GASTROINTESTINAL TRACT.

THE ISOPROPYL ALCOHOL AND AMMONIA LISTED IN SECTION 2 ARE NOT LISTED ON
THE OSHA, NTO, OR IARC MONOGRAPHS CARCINOGEN LISTS.

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SECTION 8. EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: FLUSH EYE WITH WATER FOR 15 MINUTES WHILE HOLDING EYE LID OPEN.

Skin Contact: WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE REUSE. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

Inhalation: MOVE PERSON TO FRESH AIR. IF SYMPTOMS OF RESPIRATORY DISCOMFORT PERSIST, GET MEDICAL ATTENTION

Ingestion: REQUIRES IMMEDIATE MEDICAL MANAGEMENT. DRINK MILK OR WATER AND GET MEDICAL ADVICE. VOMITING SHOULD BE INDUCED ONLY ON RECOMMENDATION OF MEDICAL PERSONNEL.

SECTION 9. SPECIAL PROTECTION INFORMATION

Respiratory Protection: NONE REQUIRED.

Ventilation: NORMAL VENTILATION.

Protection Gloves: NONE REQUIRED

Eye Protection: NONE REQUIRED

Other Protective Clothing/Equipment: NONE REQUIRED

SECTION 10. ADDITIONAL INFORMATION AND PRECAUTIONS

SARA TITLE III H&P RATINGS: Acute, YES; Chronic, NO; Fire, NO;
Press. Release, NO; Reactive, NO;
NFPA RATINGS: HEALTH -2 FIRE -0 REACTIVITY -0 SPECIFIC -0
HMIS RATING: HEALTH -2 FIRE -0 REACTIVITY -0 PERSONAL -A
Handling and Storage Precautions: FOLLOW LABEL DIRECTIONS. STORE IN A COOL DRY PLACE. KEEP OUT OF REACH OF CHILDREN.

THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET REPRESENTS THE LATEST DATA AND BEST OPINION AS TO THE PROPER USE AND HANDLING OF THIS PRODUCT UNDER NORMAL CONDITIONS. ANY USE OF THIS PRODUCT OR METHOD OF APPLICATION WHICH IS NOT IN CONFORMANCE WITH THIS DATA SHEET AND THE PRODUCT LABEL DIRECTIONS, IS THE RESPONSIBILITY OF THE USER. THIS MATERIAL SAFETY DATA SHEET WAS PREPARED TO COMPLY WITH THE OSHA HAZARD COMMUNICATION REGULATION.
