

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SCREEN CLEANER
PRODUCT CODE: S-034

HMIS CODES: H F R P
1 0 0 B

===== **SECTION I - MANUFACTURER'S IDENTIFICATION** =====

MANUFACTURER'S NAME: T. W. GRAPHICS GROUP
ADDRESS: 3323 S. Malt Ave. City of Commerce, CA 90040
EMERGENCY PHONE: 1-800-424-9300 **INFORMATION PHONE:** (323) 721-1400
DATE PREPARED : 06-11-99 **NAME OF PREPARER :** J. R. Madrigal
REASON REVISED : Updated.

===== **SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION** =====

HAZARDOUS COMPONENTS	OCCUPATIONAL EXPOSURE LIMITS				VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
	CAS NUMBER	OSHA PEL	ACGIH TLV	MFR TLV		
N-METHYL PYRROLIDONE	872-50-4	100 ppm	100 ppm		N/A	10
Ethylone Glycol Monopropyl Ether	2807-30-9	NE	NE		1.3 73F	10
2-Amino-2-Methyl-1-Propanol	124-68-5				1.0 68F	< 5.0%
OCTYLPHENOL	9036-19-5				1.0 68F	< 5.0%
Tridecyl Alcohol	24938-91-8				1.0 68F	< 5.0%
Alkyl Dimethyl Benzyl Ammonium Chloride					N/A	< 0.5%

===== **SECTION III - PHYSICAL CHEMICAL CHARACTERISTICS** =====

BOILING POINT: >212 Deg F **SPECIFIC GRAVITY (H20=1):** 1.0
VAPOR DENSITY : HEAVIER THAN AIR **EVAPORATION RATE:** SLOWER THAN ETHER
COATING V. O. C. : 7.34 LB/GL (879 GR/LT)
MATERIAL V. O. C. : 1.57 LB/GL (189 GR/LT)
SOLUBILITY IN WATER: Completely miscible.
APPEARANCE AND ODOR: Clear, mild odor.

===== **SECTION IV - FIRE AND EXPLOSION HAZARD DATA** =====

FLASH POINT: NONE **METHOD USED:** TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.3% **UPPER:** 15.8%

EXTINGUISHING MEDIA: FOAM, ALCHOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES:

Wear self-contained breathing apparatus and protective clothing to protect against hazardous effects of normal combustion or oxygen deficiency.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None known.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE**CONDITIONS TO AVOID**

Keep away from extreme heat or open flames.

INCOMPATIBILITY (MATERIALS TO AVOID)

Avoid strong oxidizing and reducing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

None known.

HAZARDOUS POLYMERIZATION: *WILL NOT OCCUR*

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS

None currently known.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

None currently known.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

None currently known.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause slight toxicity, nausea, and narcosis.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Prolonged exposure may cause slight skin irritation.

CARCINOGENICITY: NTP? *NO* IARC MONOGRAPHS? *NO* OSHA REGULATED? *NO*

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

May cause slight skin and eye irritations, nausea.

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Flush eyes with plenty of water for at least 15 minutes while holding the eyelids open.

If irritation persists, contact a physician.

SKIN CONTACT: Wash skin with mild soap and water. If irritation persists, see a physician.

INHALATION: If there are acute or chronic symptoms, move person to fresh air, give artificial respiration and call a physician.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Eliminate open flames or ignition to the vicinity of spill or released vapor. Stop source of leak. Absorb spills with absorbent clay or other suitable materials.

WASTE DISPOSAL METHOD

Flocculate liquid wastes and dispose of residues observing local, federal, health, safety, and anti-pollution laws.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store and use in a well-ventilated area.
DO NOT USE OR STORE NEAR OPEN FLAMES, SPARKS, OR HOT SURFACES

OTHER PRECAUTIONS

H M I S Ratings: H/1, F/0, R/0, P/B.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

If exposure does exceed occupational exposure limits, use a NIOSH approved respirator, or an atmosphere-purifying respirator, or an air-purifying respirator.

VENTILATION

Use adequate ventilation to keep airborne concentration below exposure standards (see Section III)

PROTECTIVE GLOVES

Use waterproof gloves for direct contact.

EYE PROTECTION

Use safety goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Eyewash fountain, safety showers are recommended.

WORK/HYGIENIC PRACTICES

After use, wash hands thoroughly with soap and water before eating, drinking, or smoking. Launder contaminated clothing.

===== SECTION IX - DISCLAIMER =====

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