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

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS</th>
<th>CAS NUMBER</th>
<th>OCCUPATIONAL EXPOSURE LIMITS</th>
<th>VAPOR PRESSURE mm Hg @ TEMP</th>
<th>WEIGHT PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-METHYL PYRROLIDONE</td>
<td>872-50-4</td>
<td>100 ppm</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Ethylene Glycol Monopropyl Ether</td>
<td>2807-30-9</td>
<td>NE</td>
<td>1.3</td>
<td>10</td>
</tr>
<tr>
<td>2-Amino-2-Methyl-1-Propanol</td>
<td>124-68-5</td>
<td>NE</td>
<td>1.0</td>
<td>68F</td>
</tr>
<tr>
<td>OCTYLPHENOL</td>
<td>9036-19-5</td>
<td>1.0</td>
<td>68F</td>
<td>&lt; 5.0%</td>
</tr>
<tr>
<td>Tridecyl Alcohol</td>
<td>24938-81-8</td>
<td>1.0</td>
<td>68F</td>
<td>&lt; 5.0%</td>
</tr>
<tr>
<td>Alkyl Dimethyl Benzyl Ammonium Chloride</td>
<td></td>
<td>N/A</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

SECTION III - PHYSICAL CHEMICAL CHARACTERISTICS

BOILING POINT: >212 Deg F
SPECIFIC GRAVITY (H2O=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, ALCOHOL 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.
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

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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