**MSDS - Material Safety Data Sheet**

**Product Name: FLO-SOL**

**MSDS No.: 271**

**I. Basic Information:**

- **Manufacturer:** U.N.X. INCORPORATED
- **Address:** 707 ARLINGTON BLVD.
- **City, ST Zip:** GREENVILLE, NC 27858
- **Emergency Contact:** CHEMTEL
- **Emergency Telephone Number:** 800-255-3924
- **Contact:** AMENDT; WILSON
- **Information Telephone Number:** 252-756-8616
- **Last Update:** 06/16/2005
- **Expiry Date:**

**Chemical State:** Solid

**Chemical Type:** Mixture

**II. Ingredients:**

- **Trade Secret:** (N/D = Not Disclosed)

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Chemical Name</th>
<th>% Range</th>
<th>EHS</th>
<th>IARC</th>
<th>SARA 313</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
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<tbody>
<tr>
<td>64742887</td>
<td>Aliphatic Hydrocarbon</td>
<td>45-55</td>
<td></td>
<td></td>
<td></td>
<td>500ppm</td>
<td>100ppm</td>
<td></td>
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<tr>
<td>141435</td>
<td>Monoethanolamine</td>
<td>0-5</td>
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<tr>
<td>TradeSecret</td>
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<td>0-5</td>
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<td>TradeSecret</td>
<td>PSRN57948000-5003P</td>
<td>15-25</td>
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<tr>
<td>2515300</td>
<td>Sodium dodecylbenzenesulfonate</td>
<td>15-25</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10mg/m3</td>
</tr>
</tbody>
</table>

**III. Hazardous Identification:**

- **Hazard Category:**
  - Acute
  - Chronic
  - Fire
  - Pressure
  - Reactive

**Health Hazards (Acute and Chronic):**

INHALATION, CAN IRRITATE NOSE, THROAT, AND LUNGS.
SKIN CONTACT, CAN IRRITATE OR CHAP SKIN.
INGESTION, WILL CAUSE GASTRIC DISTRESS, VOMITING AND DIARRHEA.

**Signs and Symptoms:**

PRODUCT CAN IRRITATE SKIN. EYE CONTACT CAN CAUSE BURNING AND EXTREME IRRITATION.

**Medical Conditions Generally Aggravated by Exposure:**
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Emergency and First Aid Procedures:
FOR SKIN, FLUSH THOROUGHLY WITH SOAP AND WATER.
FOR EYES, FLUSH WITH WARM WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN.
IF INGESTED, DRINK LARGE VOLUMES OF WATER FOLLOWED BY MILK THEN INDUCE VOMITING. CALL PHYSICIAN.

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: 53°C  Lower Explosive Limit: 0.9%  Upper Explosive Limit: NO DATA
F.P. Method: TCC

Fire Extinguishing Media: USE WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL-TYPE, OR UNIVERSAL-TYPE FOAM.

Special Fire Fighting Procedures:
USE NIOSH/MSHA APPROVED SELF CONTAINED BREATHING APPARATUS WHERE PRODUCT IS INVOLVED IN FIRE.

Unusual Fire and Explosion:
AVOID CONTACT WITH ACIDS AND LAUNDRY COMPOUNDS. STRONG DECOMPOSITION CAN RESULT.

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:
WEAR EYE PROTECTION. CLEAN UP WITH FLOOR ABSORBANT MATERIALS. FLUSH RESIDUES TO SEWER WITH WATER. AVOID DISCHARGE TO NATURAL WATERS.
WASTE DISPOSAL METHODS: INCINERATE IN FURNACE WHERE PERMITTED. DISPOSE OF IN SANITARY LANDFILL, IF ALLOWED.

VII. Handling and Storage:

Precautions to be Taken:
STORE IN COOL DRY AREA. KEEP CONTAINER CLOSED. AVOID OPEN FLAME.

Other Precautions:
AVOID OPEN FLAME

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:
AVOID BREATHING MIST. IF EXPOSURE IS LIKELY, USE FILTER OR PROTECTIVE RESPIRATOR. MECHANICAL VENTILATION IS ACCEPTABLE.

Personal Protective Equipment:
RUBBER GLOVES SHOULD BE WORN.
SAFETY GOGGLES SHOULD BE WORN.
OTHER PROTECTIVE MEASURES: HAVE AN EYE BATH AND SAFETY SHOWER CLOSE BY. IF POTENTIAL FOR SKIN CONTACT, WEAR PROTECTIVE GLOVES AND HAVE A HAND WASH AREA NEAR BY (ie. SOAP SOLUTION.).
WORK/HYGIENIC PRACTICES: WASH HANDS, CHANGE OUT OF CLOTHES AS SOON AS POSSIBLE. WASH CLOTHES. SHOWER OR BATHE AS SOON AS POSSIBLE.
**IX. Physical and Chemical Properties:**

- **Boiling Point:** 186°C
- **Specific Gravity (H₂O = 1):** 0.87400
- **Melting Point:** NO DATA
- **Evaporation Rate (Butyl Acetate = 1):** NO DATA
- **Vapor Pressure (mm Hg):** 0.7
- **Vapor Density (AIR = 1):** 5.4
- **Specific Gravity (H₂O = 1):** 0.87400
- **Solubility in Water:** POOR, HOT WATER REQUIRED
- **Appearance and Odor:** AMBER LIQUID, STRONG SOLVENT ODOR
- **Other Information:** THIS PRODUCT CONTAINS NO PHOSPHATES

**X. Stability and Reactivity:**

- **Stability:** STABLE
- **Incompatibility (Materials to Avoid):** OXIDIZERS AND REDUCERS, OPEN FLAME
- **Decomposition/By Products:** CARBON DIOXIDE, CARBON MONOXIDE
- **Hazardous Polymerization:** HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

**XI. Toxicological Information:**

CONTACT U.N.X. INCORPORATED

**XII. Ecological Information:**

CONTACT U.N.X. INCORPORATED

**XIII. Disposal Considerations:**

WEAR EYE PROTECTION. CLEAN UP WITH FLOOR ABSORBANT MATERIALS. FLUSH RESIDUES TO SEWER WITH WATER. AVOID DISCHARGE TO NATURAL WATERS. WASTE DISPOSAL METHODS: INCINERATE IN FURNACE WHERE PERMITTED. DISPOSE OF IN SANITARY LANDFILL, IF ALLOWED.

**XIV. Transport Information:**

NA 1993
DOT HAZARD CLASS: 3
PG: III
PROPER SHIPPING NAME: COMBUSTIBLE LIQUID, N.O.S., (ALIPHATIC NAPTHA)

**XV. Regulatory Information:**

UNLESS OTHERWISE NOTED, NO COMPONENTS ARE SARA TITLE 3 SECTION 313 40 CFR LISTED MATERIALS. THE INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. THIS PRODUCT IS NOT MADE WITH VOC'S THAT COULD CAUSE DAMAGE TO THE OZONE LAYER.

**XVI. Other Information:**