SECTION I

CATALOGUE NUMBER(S): 070-812-000
PRODUCT NAME: ASKONOT PROOF-PRINT PLATE ACTIVATOR
MANUFACTURER: FR Chemicals 524 South Columbus Avenue Mt. Vernon, New York 10550
PRODUCT INFORMATION: (914)-867-1002  MSDS REVISED AS OF: 05/01/91
EXPOSURE or ACCIDENT EMERGENCY (24 HOUR): CHEMTREC (800) 424-8300

SECTION II: COMPONENT AND REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>COMPONENTS &amp; (REGULATORY LISTS)</th>
<th>CAS REG. NO.</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>% WT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>N/A</td>
<td>N/A</td>
<td>60-100</td>
</tr>
<tr>
<td>Sodium Sulfite</td>
<td>7757-83-7</td>
<td>N/A</td>
<td>N/A</td>
<td>3-7</td>
</tr>
<tr>
<td>Potassium Hydroxide (A)</td>
<td>1310-58-3</td>
<td>N/A</td>
<td>(TWA) 2 mg/m3 *</td>
<td>1-5</td>
</tr>
<tr>
<td>N-Aminoethylethanolamine</td>
<td>111-41-1</td>
<td>N/A</td>
<td>N/A</td>
<td>1-5</td>
</tr>
<tr>
<td>Sodium Hydroxide (A)</td>
<td>1310-73-2</td>
<td>(TWA) 2 mg/m3</td>
<td>(TWA) 2 mg/m3 *</td>
<td>1-5</td>
</tr>
</tbody>
</table>

* CEILING VALUE (TWA) - TIME WEIGHTED AVERAGE N/A - NOT APPLICABLE

REGULATORY LISTS FOR APPLICABLE COMPONENTS
A - CERCLA HAZARDOUS SUBSTANCE LIST
B - SARA TITLE III EXTREMELY HAZARDOUS SUBSTANCE LIST (SECTION 302)
C - SARA TITLE III TOXIC CHEMICAL LIST (SECTION 313)
D - CALIFORNIA (PROP. 65) LIST OF CANCER CAUSING SUBSTANCES
E - RESOURCE CONSERVATION AND RECOVERY ACT HAZARDOUS WASTE LIST

SECTION III: PHYSICAL DATA

pH: 13.8  SPECIFIC GRAVITY: 1.10  SOLUBILITY IN WATER: Completely soluble.
BOILING POINT: Approx. 212 F  EVAPORATION RATE: Not Available
VOC CONTENT: 0 Lbs/Gallon  VAPOR PRESSURE: Not Available
% VOLATILITY (as Water) 80-100 as Water.  VAPOR DENSITY: Not Available
APPEARANCE AND ODOR: Colorless, odorless solution.

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): None
FLAMMABLE LIMITS - LEL: N/A  UEL: N/A
EXTINGUISHING MEDIA: Any applicable to the primary cause of fire.
SPECIAL FIREFIGHTING PROCEDURES: Evacuate personnel to a safe area. Firefighters should wear self-contained breathing apparatus.
UNUSUAL FIRE HAZARDS: Excessive heat may release sulfur dioxide vapors.

SECTION V: REACTIVITY

STABILITY: Stable  CONDITIONS TO AVOID: None
INCOMPATIBILITY (AVOID): Avoid strong acids.
HAZARDOUS DECOMPOSITION PRODUCTS: Sulfur Dioxide
POLYMERIZATION: Does not polymerize.  CONDITIONS TO AVOID: None

SECTION VI: SPILL AND DISPOSAL INFORMATION

SPILLS
Use appropriate protective equipment. Dike the spill and soak up with absorbant material. Prevent liquid from entering sewers or waterways. Dispose in accordance with Federal, State, and Local Regulations.

WASTE DISPOSAL
Discharge to sewer requires the approval of permitting authority and may require pretreatment. Incineration requires a permitted incinerator. Landfill disposal requires a permitted landfill. Treatment, storage, transportation, and disposal must be in accordance with Federal, State, and Local Regulations.
SECTION VII: HEALTH HAZARD AND FIRST AID INFORMATION

EXPOSURE EFFECTS:
EYE CONTACT: Irritation or burning may occur with possible tissue destruction. May cause moderate to severe corneal injury, with iritis.
SKIN CONTACT: Reddening, swelling or burning may occur. Prolonged or repeated exposure may result in the absorption of potentially harmful amounts of aminoethylethanolamine.
INGESTION: Corrosion of tissue may occur. Nausea, vomiting, or abdominal pain possible. Large doses of sodium sulfite may cause circulatory disturbances and central nervous system depression.
INHALATION: Concentrated mists may irritate or damage respiratory tract and lungs. May cause nausea or vomiting.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Sulfites may cause allergic reactions in some asthmatics.

CARCINOGENICITY: None of the chemicals used in this product are listed on NTP, IARC, or OSHA listings of carcinogens.

FIRST AID:
SKIN: Remove contaminated clothing. Wash the exposed area thoroughly with water. Contact a physician. Wash contaminated clothing before re-use.
INGESTION: If conscious, give 2 glasses of water. Do not induce vomiting. Obtain prompt medical attention.
INHALATION: Remove to fresh air. If adverse symptoms develop, contact a physician.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use a NIOSH approved cartridge respirator in poorly ventilated areas.
VENTILATION RECOMMENDED: 10 room volumes per hour is adequate ventilation under normal conditions.
PROTECTIVE EQUIPMENT RECOMMENDED: Chemical splash goggles, latex or neoprene gloves, lab coat, and eye wash station.

SECTION IX: SPECIAL PRECAUTIONS

STORAGE AND HANDLING PRECAUTIONS: Store in a well ventilated area. Keep container tightly capped when not in use. Do not store food, drink, or tobacco in areas where contamination could occur with this product. OTHER PRECAUTIONS: Avoid breathing vapors or mists. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Do not take internally. Keep out of reach of children.

SECTION X: NFPA RATING

HEALTH - 2 FLAMMABILITY - 0 REACTIVITY - 0

SECTION XI: DOT INFORMATION

DOT SHIPPING NAME: Potassium Hydroxide Solution
HAZARD CLASS: Corrosive Material
ID #: UN 1814