I. Basic Information:

Manufacturer: U.N.X. INCORPORATED
Address: 707 ARLINGTON BLVD.
City, ST Zip: GREENVILLE, NC  27858
Country: USA

Product Name: SY-ZIN
MSDS No.: 35
Issue Date: 01/12/2001
Supersedes Date: 02/09/1967

II. Hazards Identification:

EMERGENCY OVERVIEW
INHALATION, CAN IRRITATE NOSE, THROAT, AND LUNGS.
SKIN CONTACT, CAN DRY SKIN.

OSHA Regulatory Status
While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product.

Potential Health Effects

Route(s) of Entry:
SKIN, EYES, INHALATION

Health Hazards (Acute and Chronic):
INHALATION, CAN IRRITATE NOSE, THROAT, AND LUNGS.
SKIN CONTACT, CAN DRY SKIN.

Signs and Symptoms:
INHALATION, CAN IRRITATE NOSE, THROAT, AND LUNGS.
SKIN CONTACT, CAN DRY SKIN.

Medical Conditions Generally Aggravated by Exposure:
NONE KNOWN

Other Health Warnings:
NONE

Potential Environmental Effects
NONE KNOWN

III. Composition/Information on Ingredients:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>% Range</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Starch</td>
<td>9005258</td>
<td>90-100</td>
<td></td>
</tr>
</tbody>
</table>

IV. First Aid Measures:

Emergency and First Aid Procedures:
FOR EYES: FLUSH WITH WATER.
FOR SKIN: WASH WITH WATER.
INHALATION: REMOVE TO FRESH AIR.

Note to Physicians:
NONE

V. Fire Fighting Measures:

Suitable Extinguishing Media:
DRY CHEMICAL, WATERFOG, CO2, FOAM
**Unsuitable Extinguishing Media:**
NONE KNOWN

**Products of Combustion:**
HYDROGEN

**Protection of Firefighters:**
USE NIOSH/MSHA APPROVED SELF CONTAINED BREATHING APPARATUS WHERE PRODUCT IS INVOLVED IN FIRE.

**VI. Accidental Release Measures:**

**Personal Precautions:**
NONE NEEDED

**Environmental Precautions:**
NONE KNOWN

**Methods for Containment:**
DIKE; APPROVED PLASTIC CONTAINERS

**Methods for Cleanup:**
FOR SMALL SPILL, HOSE DOWN WITH COOL WATER AND DISPOSE TO DRAIN.
FOR LARGE SPILL, COLLECT AND DISPOSE OF IN AN APPROPRIATE MANNER.

**Other Information:**
Not Available

**VII. Handling and Storage:**

**Handling Precautions:**
MINIMIZE DUSTING.

**Storage Precautions:**
STORE IN A DRY PLACE.

**VIII. Exposure Controls/Personal Protection:**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Starch</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

**Engineering Controls:**
AVOID BREATHING DUST. IF EXPOSURE LIKELY, USE FILTER OR DUST TYPE RESPIRATOR.
MECHANICAL VENTILATION IS ACCEPTABLE.

**Personal Protective Equipment:**
HAVE AN EYE BATH AND SAFETY SHOWER CLOSE BY.
WASH HANDS, CHANGE OUT OF CLOTHES AS SOON AS POSSIBLE, WASH CLOTHES, SHOWER OR BATHE AS SOON AS POSSIBLE.

**IX. Physical and Chemical Properties:**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point:</td>
<td>N/A</td>
</tr>
<tr>
<td>Boiling Range:</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility In Water:</td>
<td>DISPERSIBLE</td>
</tr>
<tr>
<td>Flash Point:</td>
<td>N/A</td>
</tr>
<tr>
<td>Odor Threshold:</td>
<td>NO DATA</td>
</tr>
<tr>
<td>Melting Point:</td>
<td>N/A</td>
</tr>
<tr>
<td>Freezing Point:</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>N/A</td>
</tr>
<tr>
<td>Flash Point Method:</td>
<td>-</td>
</tr>
<tr>
<td>Appearance and Odor:</td>
<td></td>
</tr>
</tbody>
</table>
**Vapor Density (AIR = 1):** N/A

**pH Range:** Not Available

**Decomposition Temp:** NO DATA

**Lower Explosive Limit:** -

**Specific Gravity (H2O = 1):** Not Available

**Other Information:** THIS PRODUCT CONTAINS NO PHOSPHATES.

### X. Stability and Reactivity:

**Stability:**

VERY STABLE

**Conditions to Avoid:**

EXTREME DUSTING AND SPARKS.

**Incompatible Materials:**

NONE KNOWN

**Hazardous Decomposition Products:**

LOWER LIMITS EXPLOSION CONDITION (PER U.S. BUREAU OF MINES) MINIMUM CONCENTRATION: 0.04-0.055oz/CUBIC FOOT. MINIMUM IGNITION ENERGY: 0.03-0.06 joule. IGNITION TEMPERATURE: 380-420ºC

**Possibility of Hazardous Reactions:**

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

### XI. Toxicological Information:

CONTACT U.N.X. INCORPORATED

### XII. Ecological Information:

CONTACT U.N.X. INCORPORATED

### XIII. Disposal Considerations:

FOR SMALL SPILL, HOSE DOWN WITH COOL WATER AND DISPOSE TO DRAIN. FOR LARGE SPILL, COLLECT AND DISPOSE OF IN AN APPROPRIATE MANNER. REMEMBER, ALWAYS CONTACT LOCAL AUTHORITIES ABOUT DISPOSAL PROCEDURES, EVEN WITH A NON-HAZARDOUS MATERIAL.

### XIV. Transport Information:

**Shipping Name:** N/A

**DOT Hazard Class:** Not Available

**UN/NA#:** Not Available

**Transportation Information:**

NOT DOT REGULATED

**DOT Subsidiary Hazard Class:** Not Available

**MSDSPackGroup:** Not Available

### 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:

- Chemical State: Solid
- Chemical Type: Mixture
- Hazard Category: Acute

Additional Manufacturer Warnings:
Not Available

Additional Product Information:
Not Available