Material Safety Data Sheet

IDENTITY (As Used on Label and List)

Tyler Blended Liquid Fertilizer

Section I

Manufacturer's Name
Tyler Enterprises, Inc.

Emergency Telephone Number
(815) 423-5551

Address (Number, Street, City, State, and ZIP Code)
Rt 53 South, P.O. Box 365

Telephone Number for Information
(815) 423-5551

Elwood, IL 60421

Date Prepared
2/20/91

Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s)) | OSHA PEL | ACGIH TLV | Other Limits | % (optional)
--- | --- | --- | --- | ---
Common Ingredients:
Frilled Urea | 46-0-0 | None | None | None
Ammonium Polyphosphate | 10-34-0 | None | None | None
Soluble Urate of Potash | 0-0-62 | None | None | None

Optional Ingredients:
Soluble Sulphate of Potash | 0-0-50 | None | None | None
Formolene | 30-0-1 | None | None | None
Amithlo | 12-0-0-26s | None | None | None
Conon | 28-0-0 | None | None | None

Balance: Water (H2O), Trace Impurities

Section III — Physical/Chemical Characteristics

Boiling Point

<table>
<thead>
<tr>
<th>Lloses H2O @ 212°F</th>
<th>Specific Gravity (H2O = 1)</th>
</tr>
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<tbody>
<tr>
<td>N/A</td>
<td>1.40 to 1.44</td>
</tr>
</tbody>
</table>

Vapor Pressure (mm Hg) | N/A |
Vapor Density (AIR = 1) | N/A |
Evaporation Rate (Butyl Acetate = 1) | N/A |

Solubility in Water

Complete

Appearance and Odor
Clear dark green liquid with ammonia odor

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) | Flammable Limits | LEL | UEL |
--- | --- | --- | --- |
Non Flammable | N/A | N/A | N/A |

Extinguishing Media | N/A |

Special Fire Fighting Procedures
Wear full protective clothing and self contained breathing apparatus

Unusual Fire and Explosion Hazards
Releases ammonia and nitrous oxide fumes

OSHA 174, Sept. 1985
### Stability

<table>
<thead>
<tr>
<th></th>
<th>Unstable</th>
<th>Stable</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td>X</td>
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</table>

### Incompatibilities (Materials to Avoid)
None Listed

### Hazardous Decomposition or Byproducts
Decomposes to release ammonia at high temperatures.

### Hazardous Polymerization

<table>
<thead>
<tr>
<th></th>
<th>May Occur</th>
<th>Will Not Occur</th>
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<tbody>
<tr>
<td>Condition to Avoid</td>
<td>None</td>
<td></td>
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#### Section VI — Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation</th>
<th>Skin</th>
<th>Ingestion</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Unlikely</td>
<td>Unlikely</td>
<td>Unlikely</td>
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</tbody>
</table>

Health Hazards (Acute and Chronic) None known

Carcinogenicity: Not listed

WHO Monographs: Not listed

OSHA Regulated: Not listed

### Signs and Symptoms of Exposure
Redness of skin, irritation of eyes

### Medical Conditions Generally Aggravated by Exposure
Will cause burning sensation of open cuts and sores

### Emergency and First Aid Procedures
If ingested-dilute by drinking large quantities of water, contact poison control center. Inhalation—remove to fresh air. Skin—Flush skin with water. Eyes—With plenty of water,Likely to contain spilled material. Prevent large quantities from contacting vegetation and waterways.

### Waste Disposal Method
If uncontaminated, recover and reuse product. Consult state or federal environmental regulatory agencies for acceptable procedures and location.

### Section VIII — Control Measures

#### Respiratory Protection (Specify Type)
Use NIOSH/MSHA approved respiratory protection equipment.

#### Ventilation

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<tr>
<th></th>
<th>Local Exhaust</th>
<th>Mechanical (General)</th>
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<tbody>
<tr>
<td></td>
<td>Apply outdoors only</td>
<td>Special</td>
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<tr>
<td></td>
<td>None required</td>
<td>Other None</td>
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#### Protective Gloves

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<tr>
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<th>Impervious gloves as required</th>
<th>Eye Protection</th>
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<tbody>
<tr>
<td></td>
<td>Use goggles if contact is likely</td>
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#### Protective Clothing or Equipment

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<th>Long sleeved shirts are recommended</th>
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#### Wash/Handling Practices
Wash hands with soap and water after handling.