Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard.
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

IDENTITY OF SUBSTANCE (As Used on Label and List)
AVAILA Mn 80

CHEMICAL NAME
Manganese Amino Acid Complex

Note: Blank spaces are not permitted, if any item is
not applicable, or no information is available, the
space must be marked to indicate that.

Section I
Manufacturer's Name
Zinpro Corporation

Address (Number, Street, City, State, and ZIP Code)
6500 City West Parkway, Suite 300

Eden Prairie, MN 55344

Emergency Telephone Number
Chemtrec 800 424-9300

Telephone Number for Information
612 944-2736

Date Prepared
February 1996

Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

IS THIS PRODUCT HAZARDOUS IN THIS CONCENTRATION UNDER 29 CFR PART 1910.1200? YES [X] NO [ ]

IF YES, CHECK HEALTH HAZARD —
- CARCINOGEN
- CORROSIVE
- HIGHLY TOXIC
- SENSITIZER
- TARGET ORGAN EFFECT

OR, CHECK PHYSICAL HAZARD —
- COMBUSTIBLE LIQUID
- FLAMMABLE
- PYROPHORIC
- OXIDIZER
- EXPLOSIVE
- UNSTABLE (REACTIVE) OR WATER-REACTIVE

Hazardous Components (Specific Chemical Identity: Common Name(s))

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manganese Oxide</td>
<td>1317-35-7</td>
<td>8% Mn</td>
</tr>
</tbody>
</table>

Section III — Physical/Chemical Characteristics

Boiling Point
Not Applicable

Vapor Pressure (mm Hg)
Not Applicable

Vapor Density (Air = 1)
Not Applicable

Solubility in Water
Not Soluble.

Appearance and Odor
Brown Granular.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)
Not Applicable

Flammable Limits
Not Applicable

LEL
N.A.

UEL
N.A.

Extinguishing Media
Water, Foam, CO₂, or Dry Chemical

Special Fire Fighting Procedures
None

Unusual Fire and Explosion Hazards
None
Section V — Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid)
Not Applicable

Hazardous Decomposition or Byproducts
Not Applicable

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Will Not Occur
X

Section VI — Health Hazard Data

Based on specific concentration as sold

Route(s) of Entry: Inhalation? Skin? Ingestion?

<table>
<thead>
<tr>
<th>Inhalation?</th>
<th>May Cause Irritation.</th>
<th>Skin?</th>
<th>Contact May Cause Irritation.</th>
<th>Ingestion?</th>
<th>Of large amounts may be harmful.</th>
</tr>
</thead>
</table>

Health Hazards (Acute and Chronic)
None

Carcinogenicity:

<table>
<thead>
<tr>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA Regulated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure
Prolonged contact with eyes or skin may cause irritation. Prolonged inhalation may cause respiratory irritation.

Medical Conditions
Generally Aggravated by Exposure
Respiratory problems.

Emergency and First Aid Procedures
Wash eyes or skin with water. If necessary, seek medical attention.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
Recover uncontaminated material for use. Vacuum or sweep remaining material, keeping dust to a minimum.

Waste Disposal Method
Dispose of unreclaimable material in RCRA approved waste facility.

Precautions to Be Taken in Handling and Storage
Use face mask to avoid prolonged inhalation. Avoid prolonged skin contact. Store in dry place. Keep containers closed when not in use.

Other Precautions

Section VIII — Control Measures
Specify whether one or more controls are necessary (alone or in combinations)

Respiratory Protection (Specify Type)

<table>
<thead>
<tr>
<th>Face Mask</th>
<th>Is respiratory protection necessary? If ventilation identified below is used? Possibly necessary with prolonged contact.</th>
</tr>
</thead>
</table>

Ventilation

<table>
<thead>
<tr>
<th>Local Exhaust</th>
<th>Special</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

Mechanical (General)

Other

Protective Gloves

<table>
<thead>
<tr>
<th>Yes (Specify type)</th>
<th>For prolonged contact. (rubber gloves)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

Eye Protection

<table>
<thead>
<tr>
<th>Yes (Specify type)</th>
<th>For prolonged (goggles) No contact in dusty conditions</th>
</tr>
</thead>
</table>

Hygienic Practices
Good personal hygiene reduces possibility of skin irritation. Wash with soap and water after contact.

<table>
<thead>
<tr>
<th>Is protective clothing necessary? If other control measures are used?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>