

# 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 Fe 60	<i>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.</i>
CHEMICAL NAME Iron Amino Acid Complex	

## Section I

Manufacturer's Name Zinpro Corporation	Emergency Telephone Number Chemtrec 800 424-9300
Address (Number, Street, City, State, and ZIP Code) 6500 City West Parkway, Suite 300	Telephone Number for Information 612 944-2736
Eden Prairie, MN 55344	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  NO

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

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

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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This product contains the following chemical which may be subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

Components	CAS #	Percent
Ferrous Sulfate	7720-78-7	6% Fe

## Section III — Physical/Chemical Characteristics

Boiling Point Not Applicable	Specific Gravity (H <sub>2</sub> O = 1) 1.899 14°C/8°C
Vapor Pressure (mm Hg) Not Applicable	Melting Point Decomposes above 300° F
Vapor Density (Air = 1) Not Applicable	Evaporation Rate (Butyl Acetate = 1) Not Applicable
Solubility in Water Not Soluble	
Appearance and Odor Brown Granular	

## Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL N.A.	UEL N.A.
Extinguishing Media Water, Foam, CO <sub>2</sub> , or Dry Chemical.			
Special Fire Fighting Procedures None			
Unusual Fire and Explosion Hazards None			

**Section V — Reactivity Data**

Stability	Unstable		Conditions to Avoid Extremely high temperatures.
	Stable	X	

Incompatibility (*Materials to Avoid*)  
Oxidizing agents, alkalies.

*Hazardous Decomposition or Byproducts*

Hazardous Polymerization	May Occur N.A.		Conditions to Avoid
	Will Not Occur N.A.		

**Section VI — Health Hazard Data** *Based on specific concentration as sold*

Route(s) of Entry:                      Inhalation? May Cause                      Skin? Contact May                      Ingestion? Of large amounts  
Irritation.                                      Cause Irritation.                                      may be harmful.

Health Hazards (*Acute and Chronic*)  
None

Carcinogenicity:                      NTP?                                      IARC Monographs?                                      OSHA Regulated?  
None                                      No                                      No                                      No

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*)

Face Mask

Is respiratory protection  necessary  unnecessary if ventilation identified below is used?  
Possibly necessary with prolonged contact.

Ventilation	Local Exhaust X	Special
	Mechanical ( <i>General</i> )	Other

Protective Gloves  Yes (*Specify type*) For prolonged contact.                      Eye Protection  Yes (*Specify type*) For prolonged  
 No                                      (rubber gloves)                                      (goggles)  No contact in dusty conditions

Other Protective Clothing or Equipment  
Not Applicable                                      Hygienic Practices Good personal hygiene reduces possibility of skin irritation. Wash with soap and water after contact.

Is protective clothing  necessary  unnecessary if other control measures are used?