



*innovative solutions for  
groundwater treatment*

## MSDS: H-200 PLUS™

<b>Section 1 – Identity:</b> H-200 Plus™		<b>MSDS NO.:</b> 8016 <b>Date of Preparation:</b> 10-01-97 <b>Current Revision:</b> 09-16-2002	
<b>Section 2 – Hazardous Ingredients:</b>	<u>MATERIAL (CAS REGISTRY NO.)</u> IRON (7439-89-6)	<u>PERCENTAGE</u> 97.0+	<u>OSHA PEL (TWA)</u> 5 mg/m <sup>3</sup> * * as nuisance particles
<b>Section 3 – Physical / Chemical Data</b>			
<b>Iron:</b>	<u>Melting Point (in degrees):</u> 2798 F (1536 C) <u>Density:</u> 7.8 g/cm <sup>3</sup> <u>Appearance:</u> Light to dark gray color. Fine powder. No odor.		
<b>Section 4 – Fire/Explosion Hazard Data:</b> Iron is not considered flammable under most conditions. Avoid airborne dispersion of any finely divided powder in an enclosed industrial area to reduce potential for dust ignition. <u>Extinguish media:</u> Dry chemical, sand, graphite to smother fire. Use water only in mist/fog application to avoid spreading powder/acclimated dust in surrounding area.			
<b>Section 5 – Reactivity Data:</b>			
<u>Stability:</u> Normally stable. <u>Conditions to avoid:</u> Generation of airborne dust <u>Incompatibility (Materials to avoid):</u> Pure oxygen or other strong oxidizers <u>Hazardous decomposition products:</u> None <u>Hazardous polymerization:</u> Will not occur			
<b>Section 6 – Health Hazard Data:</b> This material is not considered to be carcinogenic by IARC, NTP, or OSHA			
<b>Inhalation:</b> Prolonged overexposure to iron dusts may cause a chronic health condition of siderosis which is a benign pneumoconiosis with few or no symptoms. <b>Skin:</b> Exposure may cause mild irritation. Wash with soap and water. Seek medical attention if irritation persists. <b>Eyes:</b> Flush thoroughly with water for at least 15 minutes to avoid abrasive damage to outer surfaces of eye. Seek medical attention if irritation persists. <b>Ingestion:</b> Unlikely. Low oral toxicity. No acute or chronic health effects known.			
<b>Section 7 – Precautions for Safe Handling and use:</b> Keep in closed containers. Do not store near strong oxidizers. Use good housekeeping practices to prevent accumulation of dust. In the event of a spill, recommend use of a vacuum with a HEPA filter; use dust suppressant when sweeping. Avoid creation any dust during cleanup. Reuse all spilled material whenever possible. Prevent spills from entering storm sewers or drains and contact with soil. Dispose of waste material at an appropriate waste disposal facility in accordance with current federal, state and local laws and regulations.			
<b>Section 8 – Control Measures:</b>			
<b>Respiratory Protection:</b> Use adequate ventilation to maintain airborne particulate levels below the recommended exposure limits. Use NIOSH-approved respirators in accordance with 29 CFR 1910.134 where levels exceed exposure limits. <b>Skin Protection:</b> Use of a barrier cream and/or gloves by employees with skin sensitivity to this material is recommended. <b>Eye Protection:</b> Wear safety glasses or goggles when handling this material to prevent eye contact. Do not wear contact lenses in any environment where dust or fumes are present. Readily available eye baths are recommended in areas where operations may produce dusts.			
<b>Section 9 – Regulatory Information:</b>			
This product contains no chemicals reportable under the SARA 313 toxic release program.			
<b>Section 10 – Additional Information:</b>			
Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).			

**EMERGENCY: Chemtrec - 1-800-424-9300**