



# BAYOU STEEL CORPORATION

## MATERIAL SAFETY DATA SHEET

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### I GENERAL INFORMATION

Identity: STEEL Effective Date: 1/01/07  
Synonyms: Alloy Steel Revision # 7  
Formula: Fe+Additives Revision Date: 3/22/2006

**Products Covered: A588A, A588B, A3652950, A572-50, 60, 65, ABSAH36, A529-50, 55, 60.**

Manufacturer's Name: BAYOU STEEL CORPORATION  
Manufacturer's Address: P. O. Box 5000  
LaPlace, LA 70069

Information Telephone Number: 504-652-4900  
Emergency Telephone Number: 504-652-0409

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### II HAZARDOUS CONSTITUENTS

<u>Constituent</u>	<u>OSHA PEL (mg/m<sup>3</sup>)</u>	<u>ACGIH TLV (mg/m<sup>3</sup>)</u>	<u>Maximum % (Range)</u>	<u>CAS #</u>
Iron (As Fe <sub>2</sub> O <sub>3</sub> )	10 (As Fe)	5	98	1309-37-1
Carbon	3.5	3.5	.26	1333-86-4
Manganese	1 (as fume)	1 (as fume)	1.65	7439-96-5
Silicon	10	10	.40	7440-21-3
Nickel	1	1	.60	7440-02-0
Copper	0.1 (as fume)	0.2 (as fume)	.70	7440-50-8
Chromium	1.0	0.5	.75	7440-47-3
Molybdenum	10	10	.12	7439-98-7
Vanadium	0.05	0.05	.150	1314-62-1
Columbium	None	None	.050	None

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### III PHYSICAL AND CHEMICAL CHARACTERISTICS

**Boiling Point:** N/A **Melting Point:** 2755°F  
**Vapor Pressure (mm Hg):** N/A **Specific Gravity (H<sub>2</sub>O = 1):** 7.83  
**Vapor Density (Air = 1):** N/A **Evaporation Rate (Butyl Acetate = 1):** N/A

**Solubility in Water:** Insoluble **pH:** N/A **Vapor Pressure:** N/A  
**Appearance and Odor:** Dark gray, odorless, solid



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## VII PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps To Be Taken In Case of Release or Spill:** N/A

**Waste Disposal Method:** Material not known to be a RCRA hazardous waste. Follow local, state and federal requirements.

**Precautions to be Taken in Handling and Storing:** Use good housekeeping to minimize particle accumulation if cutting or grinding.

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## VIII CONTROL MEASURES

**Respiratory Protection:** Use NIOSH/MSHA approved dust/fume/mist respirators for welding, cutting or grinding when local ventilation proves to be inadequate. Sound hygiene practices should be followed.

**Ventilation:** Local ventilation is recommended when burning/welding is performed.

**Eye Protection:** Industrial quality safety glasses with cup sideshields should be used with appropriate welding/burning/grinding shields pursuant to ANSI Z87.1.

**Skin Protection:** Protect body parts from contact with sharp edges. Use appropriate hand protection when manually handling.

**Other Clothing and Equipment:** When burning/welding, use ANSI approved welding hood with ANSI approved filter lens or burning goggles, burning gloves, burning apron, chaps, spats and ANSI approved steel toe shoes.

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## IX ADDITIONAL INFORMATION

**Welding/Cutting:** Certain types of welding rods may contain hazardous compounds that can be released into the environment as a fume. See the MSDS for the particular welding rod to be used prior to welding.

**Toxic Substances Control Act - Section 8(e):** Not applicable.

**CERCLA Reportable Quantity:** None

**SARA Title III:**

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: None in normal state.

Section 313 Toxic Chemicals: None in normal state.

**U.S. DOT:** Not Regulated

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