



abc polymer

An International *Plastics* Group

# Material Safety Data Sheet

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## 1.0 Product and Company Identification

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**Product Name:** Steel Pro

**Manufacturer's Agent:** ABC Polymer Industries, LLC

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## 2.0 Composition / Information on Ingredients

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Component	CAS #	Range % by Weight
Iron	7439-89-6	>99
Manganese	7439-96-5	2.2
Nickel	7440-02-0	2.05
Chromium	7440-47-3	1.65

The above ingredient list identifies those components which meet the regulated reporting criteria. Concentrations represent a maximum for all grades in a category of steel products.

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## 3.0 Hazards Identification

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**Emergency Overview:** This product does not require any hazard warning on the label under OSHA criteria.

**Potential health effects:**

**Eye Contact:** No significant health hazards identified. Particles may cause slight discomfort similar to getting dust in the eye.

**Skin Contact:** No significant health hazards identified. Particles may cause slight discomfort similar to rubbing sand against the skin.

**Inhalation:** No significant irritation expected other than possible mechanical irritation.

**Ingestion:** No significant health hazards identified.

**HMIS Code:** (Health:0) (Flammability:0) (Reactivity:0)

**NFPA Code:** (Health:0) (Flammability:0) (Reactivity:0)

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## 4.0 First Aid Measures

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**Eye:** Flush eyes with plenty of water. Get medical attention if irritation persists.

**Skin:** Wash exposed skin with soap and water. Get medical attention if irritation develops.

**Inhalation:** If adverse effects occur, remove to uncontaminated area.

**Ingestion:** If a large amount is swallowed, get medical attention.

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## 5.0 Fire Fighting Measures

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**Flashpoint:** Not applicable

**UEL:** Not determined.

**LEL:** Not determined.

**Autoignition temperature:** Not determined.

**Flammability classification:** None

**Extinguishing media:** Agents approved for Class A hazards (e.g., halogenated agents, foam, steam) or water fog.

**Unusual Fire and Explosion Hazards:** None identified.

**Fire Fighting Equipment:** Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.

**Hazardous Combustion Products:** Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products.

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## 6.0 Accidental Release Measures

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Contain and remove by mechanical means.

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## 7.0 Handling and Storage

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**Handling:** No special requirements.

**Storage:** No special requirements.

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## 8.0 Exposure Controls / Personal Protection

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**Eye:** None required; however, use of eye protection is a good industrial practice.

**Skin:** None required; however, use of protective gloves, safety boots/clothing is a good industrial practice.

**Inhalation:** None required; however, use of adequate ventilation is a good industrial practice.

**Engineering Controls:** Control airborne concentrations below the exposure guidelines.

**Exposure Guidelines:**

Component	CAS#	T.L.V. (as fume)mg/m	P.E.L. (as fume)mg/m	Ld50/Lc50
Iron	7439-89-6	5	10	30g/kg(ld oral rat)
Manganese	7439-96-5	0.2	5	9g/kg(ld oral rat)
Nickel	7440-02-0	1	1	N/A
Chromium	7440-47-3	0.5	0.5	N/A

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## 9.0 Chemical and Physical Properties

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**Appearance and Odor:** Fibers

**PH:** Not determined.

**Vapor Pressure:** Not determined

**Vapor Density:** Not determined

**Boiling Point:** Not determined

**Melting Point:** Not determined

**Solubility in Water:** Negligible, Below 1%

**Specific Gravity (Water=1):** 0.91

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## 10.0 Stability and Reactivity

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**Stability:** Stable

**Conditions to avoid:** None identified.

**Materials to Avoid:** Contact with acids will release Hydrogen gas.

**Hazardous Decomposition:** N/A

**Hazardous Polymerization:** Will not occur.

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## 11.0 Toxicological Information

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**Acute Toxicity Data:**

**Eye Irritation:** Testing not conducted. See other toxicity data.

**Skin Irritation:** Testing not conducted. See other toxicity data.

**Dermal LD50:** Testing not conducted. See other toxicity data.

**Oral LD50:** Testing not conducted. See other toxicity data.

**Inhalation LD50:** Testing not conducted. See other toxicity data.

**Other Toxicity Data:**

Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, technical literature, and/or professional experience.

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**12.0 Ecological Information**

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Ecological testing has not been conducted on this product.

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**13.0 Disposal Information**

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Enclosed-controlled incineration is recommended unless directed by applicable ordinances.

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**14.0 Transportation Information**

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**U.S. Department of Transportation**

**Shipping Name:** Not regulated.

**International Information:**

**Sea (IMO/IMDG)**

**Shipping Name:** Not determined.

**Air (ICAO/IATA)**

**Shipping Name:** Not determined.

**European Road/Rail (ADR/RID)**

**Shipping Name:** Not determined.

**Canadian Transportation of Dangerous Goods**

**Shipping Name:** Not determined.