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Effective Date: 08/11/92

Product Name: Iron Blue

Synonyms: Potassium Ferro-Ferricyanide, Prussian Blue

CAS No.: 14038-43-8

Hazards Identification

Ingredients Contains complex cyanides and is defined as a toxic chemical under subject to reporting requirements of Section 313 of Title III of SARA.

Acute Health Hazards No toxic effects if ingested or with skin contact.

TLV 10 mg/m³ - a nuisance dust

Toxicity Rat, oral, LD 50-5, 110 mg/kg

First Aid

Eye Contact

Flush with large amounts of water

Skin Contact

Wash with soap and water

Inhalation

Seek fresh air. If hydrogen cyanide released, treat for cyanide poisoning.

Ingestion

If ingested in very large amounts, seek medical attention.

Fire and Explosion Information:

Flammability of the Product	n/a
Flash point	600 C
Extinguishing media to be recommended	Water mist. Do not use dry powder, foam or water jet stream.
Unusual Fire and Explosion Hazards	Spray mist to avoid dust explosion

Accidental Release Measures

Spill

Remove by sweeping or suction and place in suitable container.

Handling and Storage

Precautions

Store in cool dry place. Avoid contact with sources of ignition; avoid dust sediment.

Exposure Controls / Personal Protection

Respiratory Protection	dust mask; Ventilation and local exhaust necessary.
Protective gloves	rubber
Eye protection	chemical goggles
Other protection	chemical apron

Physical And Chemical Properties

Physical State and Appearance	Odorless blue powder
Boiling Point	140 C
Melting Point	n/a
Specific Gravity	1.752
Vapor Pressure	N/A
Vapor Density	N/A
Reactivity in water	n/a
Solubility in water	insoluble

Stability and Reactivity Data

Stability	Stable
Incompatibilities With Various Substances	Contact with strong acids or alkalines may release hydrogen cyanide or ammonia under certain conditions.
Hazardous decomposition products carbon	hydrogen cyanide, ammonia, monoxide, carbon dioxide
Hazardous polymerization	will not occur

Toxicological Information

Toxicity to Animals	LD50-5: (rats) oral - 110 mg/kg
Chronic Affects on Humans	N/A

Ecological Information

Waste Disposal

according to regulations