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SECTION 1: IDENTIFICATION

Effective Date: 9/26/97
Product Name: IRON, REDUCED
CAS No.: 7439-89-6

SECTION 2: HAZARDOUS INGREDIENTS:

Slightly dangerous to dangerous in case of eye contact (irritant), of ingestion, of inhalation.

SECTION 3: PHYSICAL DATA

Physical Data:

Appearance and Odor:	solid, dark, odorless, tasteless
Boiling point:(760 mmHg)	2750°C (4982°F)
Vapor Pressure (mmHg):	n/a
Specific Gravity (Water = 1):	7.86
Solubility in water:(by weight)	insoluble in cold water, hot water, methanol, diethyl ether, n-octanol, acetone
Melting Point:	1535°C (2795°F)
Volatility:	n/a
Vapor Density:	n/a

SECTION 4: FIRE AND EXPLOSION DATA

Fire and Explosion Information:

Combustible:	Flammable solid
Flash point:	n/a
Flammable limit:	n/a
Extinguishing Media:	Small fire: dry chemicals, CO2, water spray or foam. Large fire: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion
Unusual Fire and Explosion Hazards:	Material in powder form, capable of creating a dust explosion

SECTION 5: REACTIVITY DATA

Reactivity Data:

Stable X Unstable

Incompatibilities/Conditions to Avoid:	Very slightly to slightly reactive with oxidizing agents, acids, moisture
Hazardous Decomposition or byproducts:	Products of degradation are more toxic than original product.
Hazardous Polymerization:	no

SECTION 6: HEALTH HAZARD DATA

Threshold Limit Value (TLV):	n/a
Routes of Entry:	ingestion, inhalation
Toxicity:	
Oral LD50 (mouse):	n/a

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

Spillage: Small spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Large spill: Stop leak if without risk. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition. Call for assistance on disposal

Disposal: Recycle to process if possible. Consult your local or regional authorities.

SECTION 8: FIRST AID PROCEDURES**First Aid:**

Eyes: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin: No known effect according to database.

Inhalation: Allow victim to rest in well ventilated area. Seek medical attention. If person is not breathing, perform mouth to mouth resuscitation. If breathing is difficult, administer oxygen. Loosen tight clothing.

Ingestion: Remove dentures if any. Watch for an obstruction in victim's mouth. Remove if possible what is causing obstruction but do not force fingers or hard object between victim's teeth. Have conscious person drink several glasses of water or milk. Induce vomiting by sticking finger in throat. Lower head so vomit will not enter the mouth and throat. Never give an unconscious person anything to ingest. Seek medical attention.

SECTION 9: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

Other Precautions: Keep away from heat and sources of ignition. Keep container dry, tightly closed, and in well ventilated, cool place. Ground all equipment containing material. Do not breathe dust. Avoid contact with eyes. Wear respiratory equipment if necessary. Wear suitable protective clothing. Flammable materials should be stored in a separate safety storage cabinet or room. If you feel unwell, seek medical attention and show the label when possible.

SECTION 10: SPECIAL PROTECTION INFORMATION

Ventilation: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits.

Eye Protection: Splash goggles

Protective Gloves: yes - in case of large spill

Respiratory Protection: Dust respirator

Other Protective Gear: Lab coat

SECTION 11: TRANSPORT INFORMATION

DOT classification: Class 4.1: flammable solid; UN3089, metal powder, flammable, n.o.s. (iron powder), PGIII

DOT pictograms: Flammable solid 4

SECTION 12: OTHER REGULATORY INFORMATION

Federal & States regulations: Iron is listed on TSCA

Other regulations: OSHA: hazardous by definition of hazard communication standard (29 CFR 1910.1200)

Other classifications: WHMIS (Canada) WHMIS class B-4: flammable solid
DSCL (EEC) R11-Highly flammable

HMIS (USA) health hazard 2, fire hazard 1, reactivity 1, personal protection e

National Fire Protection USA: flammability 1, reactivity 1, health 1, specific hazard --