

IRON (II) SULFIDE

H.M.S. Beagle
180 English Landing Drive
Suites 110-120
Parkville, MO 64152
816-587-9998
www.hms-beagle.com

1. Product Identification

Synonyms: Ferrous sulphide, Ferrous sulfide

CAS No.: 1317-37-9

Molecular Weight: 87.92

Chemical Formula: FeS

Product Codes: CHEM-108 and others

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Iron (II) Sulfide	1317-37-9	90 - 100%	No

3. Hazards Identification

Emergency Overview

Not considered a health hazard.

SAF-T-DATA^(tm) Ratings

Health Rating: 2 - Moderate

Flammability Rating: 1 - Slight

Reactivity Rating: 0 - None

Contact Rating: 0 - None

Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES

Storage Color Code: Green (General Storage)

4. First Aid Measures

Inhalation:

Not considered an inhalation hazard.

Ingestion:

Treat symptomatically.

Skin Contact:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if required.

5. Fire Fighting Measures

Fire:

Not considered to be a fire hazard.

Explosion:

Not considered to be an explosion hazard.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust. The MSDS contains all of the information required by the CPR.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Do not breathe dust.

9. Physical and Chemical Properties

Appearance:

Grey to brown-black lumps or powder

Melting point:

1194° C

Boiling point:

Vapour density:

Vapour pressure:

Specific gravity:

4.84

Flash point:

Explosion limits:

Autoignition temperature:

10. Stability and Reactivity

Stability:

Stable. Incompatible with strong acids, strong bases, metal oxides. Avoid moisture.

Conditions to Avoid:

Incompatibles.

11. Toxicological Information

Not generally regarded as a health hazard.

12. Ecological Information

Environmental Fate:

No information found.

Environmental Toxicity:

No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated

15. Regulatory Information

Not regulated

16. Other Information

References: Not available.

Other Special Considerations: Not available.

Product Use:

Laboratory Reagent and Consumer Hobby

Revision Information:

No Changes.

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Prepared by: John Farrell Kuhns

Phone Number: 816-587-9998 (U.S.A.)