

Material Safety Data Sheet

Section 1: Product and Company Identification

Product Name: Iron Sucrose (API)

Manufacturer's Name: Shanghai Rory Fine Chemicals Co., Ltd

Manufacturer's Address: Liangxiang Industry Zone, Zhangdian, Zibo, Shandong, (Zip Code 255000), China

Post: 301 Wenshui Road, Shanghai, (Zip Code 200072), China

Manufacturer's Country: the People's Republic of China

Emergency Telephone: 0086-13701863355

Section 2: Composition/Information on Ingredients

Common Name: Iron Sucrose

Chemical Name: Iron sacchatate; Iron (III) hydroxide sucrose complex;

Molecular Formula: $[\text{Na}_2\text{Fe}_5\text{O}_8(\text{OH}) \cdot 3(\text{H}_2\text{O})]_n \cdot m(\text{C}_{12}\text{H}_{22}\text{O}_{11})$

Ingredient CAS Number: 8047-67-4

Section 3: Hazardous Identification

Eyes: No specific hazard known.

Skin: No specific hazard known

Inhalation: Low hazard for usual laboratory handling.

Ingestion: Low hazard for usual laboratory handling.

Chronic: No specific hazard known.

Section 4: Fire Fighting Measure

Flash point -N/A

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Flammable Limits: -N/A

Fire Fighting Procedures: If fire conditions, Fire fighters should use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes..

Section 5: First Aid Measure

Eyes: Flush with water, seek medical attention.

Skin: Flush area with water, seek medical attention.

Inhalation: Remove person to fresh air.. Seek medical attention.

Ingestion: Flush mouth out with water. Seek medical attention.

Section 6: Accidental Release Measures

Clean-up: Sweep up and place in a suitable container, then wash release site

Waste Disposal: Iron sucrose is not considered a hazardous substance.

Section 7: Handling and Storage

Handling: Avoid contact with eyes, skin, and clothing.

Storage: Store in a cool, well-ventilate area. Keep away from ignition sources heat and flame.
Store in a tightly closed container. Incompatibilities: oxidants and food

Section 8: Exposure Controls

Ventilation: None needed.

Explosion Hazards: N/A

Personal Protection: Wear appropriate protective eyeglasses or chemical safety goggles.
Wear appropriate protective clothing to prevent skin contact.

Section 9: Physical and Chemical Properties

Physical State: Brown to dark brown powder

Solubility: Soluble in water

Boiling Point: N/A

Melting Point: 172.4 decomposition

Freezing Point: N/A

Pile Gravity: about 0.6g/ml

Optical (Specific) Rotation: N/A

Crystallinity: N/A

Particle Size: N/A

pH: 9-10

Section 10: Stability and Reactivity

Stability: Stable

Condition to avoid: Keep away from direct sunlight, heat, dampness place.

Hazardous Polymerization: will not occur

Conditions/Materials to Avoid: Do not mix with other materials

Section 11: Toxicological Information

Toxicological Information: The lowest LD₅₀ of asingle dose of Iron sucrose Injection IV was 140mg iron/kg and 235mg iron/kg in male and female rats,respectively, and 236mg iron/kg and 340mg iron/mg in male and female mice, respectively.The maximum nonlethal single dose in animals(rats) was 75mg iron/kg body weight.This is comparable to a single dose of 5250mg iron in a 70kg man.

Section 12: Ecological Information

Ecological Information: ----

Section 13: Disposal Information

General Information: Dispose of in accordance with all local, provincial, state, and federal regulations. Water runoff can cause environmental damage.

Section 14: Transportation Information

Transport Information: is not subject to IATA DGR

Section 15: Regulatory Information

Regulatory Information: -----

Section 16: Other Information

Definitions: N/A= Not Applicable