

GFS CHEMICALS, INC.  
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MATERIAL SAFETY DATA SHEET

41

FERROUS ETHYLENEDIAMMONIUM SULFATE

CHEMICAL NAME & SYNONYMS

Ferrous Ethylenediammonium Sulfate tetrahydrate;  
Oesper's Reagent

DOT CLASS

NR

SARA TITLE 313

No

TSCA listed - Yes

FORMULA

FeC<sub>2</sub>H<sub>4</sub>(NH<sub>3</sub>)<sub>2</sub>(SO<sub>4</sub>)<sub>2</sub>·4H<sub>2</sub>O

REPORTABLE QUANTITY

N/A

F.W.

382.16

CAS#

63589-59-3

PHYSICAL DATA

Soluble in water, dilute acids.

APPEARANCE & ODOR

White-pale green crystals. Odorless.

REACTIVITY & CONDITIONS TO AVOID

Stable. Slowly oxidized by air. No hazardous self-reactivity. Reaction with strong base to liberate ammonia fumes.

FIRE HAZARDS

Will decompose under general fire conditions. Firefighters wear SCBA. Use water to cool containers. Avoid inhalation of fumes. NFPA # 1-0-0.

EXTINGUISHER

Fight surrounding fire

FLASHPOINT

N/A

LEL

N/A

UEL

N/A

HEALTH HAZARDS

Dust may be irritating to eyes, nasal passages. Toxicity presumed low - no data available. OSHA PEL/ACGIH TLV 1 mg (Fe)/m<sup>3</sup>. No evidence of carcinogenicity.

SPECIAL PRECAUTIONS

Use goggles while handling. Avoid raising dust. Store product under inert atmosphere to avoid oxidation.

FIRST AID

Wash affected area with water. If eye irritation persists, get medical attention. If swallowed, give water or milk and get medical attention. Do NOT induce vomiting unless directed by a physician.

SPILLS & LEAKS

Sweep up and discard. Disposal to solid waste or to sanitary drain.

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CATALOG #

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PREPARED BY

MDM

DATE

December 15, 2003