

**MATERIAL SAFETY DATA SHEET**

**I PRODUCT IDENTIFICATION AND USE**

MANUFACTURER'S NAME: Diagnostic Chemicals Limited  
16 McCarville Street  
West Royalty Industrial Park  
Charlottetown, P.E.I.  
Canada C1E 2A6  
902-566-1396

CHEMICAL/PRODUCT NAME: **Iron Colour Reagent (Ferene)**

CATALOGUE NUMBER: **150-26F, 150-26F-91R2**

NOTE: Physical and health hazard information on reagent mixtures have not been determined. Any physical and health information noted is based 1) on evaluation of data for the pure ingredients, and 2) concentration of ingredients as packaged.

PRODUCT DESCRIPTION: For the quantitative determination of iron.

**II HAZARDOUS INGREDIENTS** (NE not established)

**ACGIH TLV**

**CAS**

IRON COLOUR REAGENT: n.av

**III TOXICOLOGICAL PROPERTIES**

ROUTE OF ENTRY/EXPOSURE

SKIN CONTACT: [x] EYE CONTACT: [x] INHALATION: [x]  
INGESTION: [x] SKIN ABSORPTION [ ]

**EFFECTS OF ACUTE EXPOSURE:**

ROUTE OF ENTRY/EXPOSURE

INHALATION: May cause irritation  
INGESTION: May be harmful if ingested.  
SKIN CONTACT: May cause irritation  
EYE CONTACT: May cause irritation.

CHRONIC EXPOSURE: n.av.

EVIDENCE OF CARCINOGENICITY, TERATOGENICITY,  
REPRODUCTIVE TOXICITY, MUTAGENICITY: No data available.

SENSITIZATION TO PRODUCT: n.av.

SYNERGISTIC PRODUCTS: n.av.

LD50: n.av.

**IV EMERGENCY AND FIRST AID MEASURES**

SKIN: In case of contact, immediately flush area with plenty of water.

EYES: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

ORAL: If ingested drink plenty of fluids and contact a physician.

INHALATION: If inhaled remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen, and call a physician.

**V PHYSICAL DATA**

PHYSICAL STATE: Liquid  
APPEARANCE AND ODOUR: Iron colour reagent clear yellow odourless.  
ODOUR THRESHOLD: n.av  
VAPOUR PRESSURE: n.av.  
VAPOUR DENSITY: n.av.

SPECIFIC GRAVITY: n.av.  
EVAPORATION RATE: n.av.  
MELTING POINT: n.av.  
BOILING POINT: n.av.  
SOLUBILITY IN WATER: Soluble  
pH: Colour reagent, n.av.  
COEFFICIENT OF OIL/WATER DISTRIBUTION: n.av.

**VI FIRE AND EXPLOSION HAZARD DATA**

FLAMMABLE: No  
EXTINGUISHING MEDIA: As appropriate for fire in surrounding materials.  
FLASH POINT: n.ap.  
UPPER FLAMMABLE LIMIT: n.ap.  
LOWER FLAMMABLE LIMIT: n.ap.  
AUTOIGNITION TEMPERATURE: n.ap.  
HAZARDOUS COMBUSTION PRODUCTS: n.av.

EXPLOSION DATA:

SENSITIVITY TO MECHANICAL IMPACT: n.ap.  
SENSITIVITY TO STATIC DISCHARGE: n.ap.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Unknown

**VII REACTIVITY DATA**

STABLE: Yes  
HAZARDOUS POLYMERIZATION: Will not occur  
INCOMPATIBILITY WITH OTHER SUBSTANCES: None known

HAZARDOUS DECOMPOSITION PRODUCTS: n.av.

## **VIII PREVENTIVE MEASURES**

LOCAL EXHAUST: Not required  
PROTECTIVE CLOTHING: Lab coat  
PROTECTIVE GLOVES: Rubber  
EYE PROTECTION: Safety glasses

OTHER PRECAUTIONS: Avoid contact and inhalation, do not get in eyes, on skin or clothing. Wash contaminated clothing before reuse.

RESPIRATORY PROTECTION: None normally required.

LEAK AND SPILL PROCEDURE: Absorb small leaks or spills with sponge, mop up large spills with plenty of soap and water.

WASTE DISPOSAL: Dilute with a large volume of water and dispose of into sewer system, in accordance with local regulations.

STORAGE REQUIREMENTS: Room temperature

**SHIPPING INFORMATION: Not regulated**

## **IX PREPARATION OF THE M.S.D.S.**

PREPARED BY: Denise Bustard  
PHONE NO: 902-566-1396  
DATE: November 23, 2001

*\* n.av. not available n.ap. not applicable*

The information provided on this Material Safety Data Sheet is provided in the interest of promoting safe handling of the material. While this information is believed to be correct DCL makes no warranty in respect to any of the information disclosed. Observe all federal, provincial, state and local laws concerning health and pollution.

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