



Iron Dextran Solutions

Safety Data Sheet

SECTION 1 - Chemical Product and Company Identification

1.1 Product Identifiers

Product Name: : Iron Dextran Solution
 CAS #: : 9004-66-4
 EC #: : 618-390-1
 RTECS #: : NI2200000
 REACH Registration Number : Not available

1.2 Recommended Use of the Chemical and Restrictions of Use

Chemical Manufacturing

1.3 Supplier Details

Supplier: BioSpectra Canada, Inc.
 d.b.a Dextran Products
 421 Comstock Road
 Scarborough, ON MIL 2H5
 T: 416-755-2231
 ehs@biospectra.us

1.4 Emergency Numbers

Emergency number: US & Canada: 1-800-424-9300
 Outside the US & Canada: +1 703-527-3887

SECTION 2 – Hazard Identification

2.1 Classification of Substance or Mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute Oral Toxicity (Category 4), H302

Skin Irritation (Category 2), H315

Serious eye damage (Category 2), H319

Possible carcinogen, H350

2.2 GHS Label Elements Including Precautionary Statements

Pictogram

:



Signal Word

: Danger

Hazard statement(s)

: H302: Harmful if Swallowed.

H315: Causes Skin Irritation.

H319: Causes Serious Eye Irritation.

H350: May cause cancer

Precautionary statement(s)

: P264+ P265: Wash hands thoroughly after handling. Do not touch eyes.

P270: Do not eat, drink or smoke when using this product.

P280: wear protective gloves/protective clothing/eye protection/face

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protection/hearing protection.

P301 +P317: IF SWALLOWED: Get emergency medical help.

P302+P352: IF ON SKIN, Wash with plenty of water.

P305 + P351 + P 338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

: P330: Rinse mouth.

P332-P317: IF SKIN irritation occurs, get emergency medical help.

P337+P317+P362+P364: If eye irritation persists, get emergency medical help, take off contaminated clothing, and wash it before reuse.

P501:Dispose of contents/container according to local, state, and federal requirements.

2.3 Hazards not Classified or not Covered by the GHS

Iron Dextran is considered carcinogenic

SECTION 3 – Composition, Information on Ingredients

Component	Classification	Concentration
Iron Dextran	H302 Harmful if Swallowed, H315 Skin Irritation, H319 Eye Irritation H350 Carcinogen	10-20%
Water	Not Classified	80-90%

Synonyms : Dextran Iron Complex

EC Number : 618-390-1

CAS Number : 9004-66-4

Molecular Formula : FeH₂O₄S

Molecular Weight : 153.93 g/mol

SECTION 4 – First Aid Measures

4.1 Description of Necessary First Aid Measures

Eyes : Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Immediately call in ophthalmologist. Remove contact lenses.

Skin : Take off contaminated clothing immediately. Rinse contaminated area with plenty of water for at least 15 minutes.

Ingestion : Immediately drink plenty of waterto dilute. DO NOT induce vomiting unless instructed to do so by a medical professional.Never give anything by mouth to an unconscious person.

Inhalation : Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician : Treat symptomatically and supportively.

4.2 Most Important Symptoms/Effects, Acute and Delayed

Refer to Section 2.2 for Precautionary Statements if any are applicable.

4.3 Indication of Immediate Medical Attention and Special Treatment

No information available

SECTION 5 - Firefighting Measures

5.1 Extinguishing Media

Water spray, dry chemical or carbon dioxide.

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5.2 Specific Hazards Associated with this Chemical

Iron Oxides, Sulfur Oxides (SO_x)

Development of hazardous combustion gases or vapors possible in the event of a fire.

5.3 Special Equipment/Precautions for Firefighters

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Explosion will appear as fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

5.4 Other Information

Suppress (knock down) gases/vapors and/or mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6 - Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Avoid breathing vapors, mist or gas. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures and consult an expert. Use proper personal protective equipment as indicated in Section 8.

6.2 Environmental Precautions

Do not allow product to enter drains

6.3 Methods and Materials for Containment and Cleaning Up

Cover drains. Collect, bind and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions.

6.4 Other Information

For disposal instructions see section 13.

SECTION 7 - Handling and Storage

7.1 Precautions for Safe Handling

For precautions see section 2.2.

7.2 Conditions for Storage Including any Incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

7.3 Other Information

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8 - Exposure Controls, Personal Protection

8.1 Control Parameters

Chemical does not contain any substances with occupational exposure limits.

8.2 Engineering Controls

Change contaminated clothing. Wash hands after working with substance.

8.3 Personal Protective Equipment

Eyes
Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Tightly fitting safety goggles.

Skin

Wear appropriate protective gloves to prevent skin exposure. Wear impervious gloves: Nitrile rubber with layer thickness 0.07mm. This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves.

Clothing

Wear appropriate protective clothing to prevent skin exposure.

Respirators

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Control of environment exposure

Do not let product enter drains.

SECTION 9 - Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Red, amber solution
Odor	: Not available
pH	: 5.2-6.5
pK _a	: Not available
Vapor Density	: Not available
Viscosity	: Not available
Melting Range	: Not available
Boiling Point	: Not available
Decomposition Temperature	: Not available
Specific Gravity/Density	: Not available
Solubility	: Not available
Molecular Formula	: FeH ₂ O ₄ S
Molecular Weight	: 153.93 g/mol

SECTION 10 - Stability and Reactivity**10.1 Chemical Stability**

Stable under standard ambient conditions (room temperature).

10.2 Conditions to Avoid

Not data available

10.3 Incompatibilities with Other Materials

Not data available

10.4 Hazardous Decomposition Products

In the event of a fire refer to section 5.

10.5 Hazardous Polymerization

Not data available

SECTION 11 - Toxicological Information

11.1 Toxicological Effects

LD50/LC50	: No data available
LD50/LC50	: No data available
Carcinogenicity	: Possible Carcinogen. IARC: 2B -Group 2B Possibly carcinogenic to humans. NTP -RAHC- Reasonably anticipated to be human carcinogen.
Epidemiology	: No data available
Teratogenicity	: No data available
Reproductive Effects	: None listed
Neurotoxicity	: No data available
Mutagenicity	: No data available
Other Studies	: No data available

11.2 Additional Information

RTECS# : NI2200000

SECTION 12 - Ecological Information

12.1 Ecotoxicity

No information available

12.2 Persistence and Degradability

No information available

12.3 Bioaccumulative Potential

No information available

12.4 Mobility in Soil

No information available

12.5 Results of PBT and vPvB Assessment

No information available as chemical safety assessment not required/not conducted.

12.6 Other Adverse Effects

No information available

SECTION 13 - Disposal Considerations

Waste material must be disposed of in accordance with the local, state and federal laws. No mixing with other waste.

SECTION 14 - Transport Information

Regulations	TDG	IATA	IMDG	US DOT
Shipping Name	Not Dangerous Goods	Not Dangerous Goods	Not Dangerous Goods	Not Dangerous Goods
Hazard Class				
UN Number				
Packing Group				

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SECTION 15 - Regulatory Information**15.1 EHS Chemical Specific Regulations****SARA:**

Section 302	:	This material does not contain any components with a section 302 EHS TPQ.
Section 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards	:	No SARA Hazards.
Canadian WHMIS Classification and Symbol	:	Class D2B (Materials Causing Other Toxic Effects).
CEPA Priorities Substances Lists	:	The components of this product are not on the CEPA Priorities Substances Lists.

STATE SPECIFIC:

Massachusetts Right To Know Components	:	No components are subject to the Massachusetts Right to Know Act.
California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)	:	The Iron Dextran complex is on the California Proposition 65 Lists. WARNING: Contains a chemical known to the state of California to cause cancer.

SECTION 16 - Additional Information**16.1 Hazard Ratings**

NFPA Rating	
Health hazard	1
Fire Hazard	0
Reactivity Hazard	0

HMIS Classification	
Health hazard	1
Flammability	0
Physical Hazards	0

The information conveyed in this Safety Data Sheet is only a representation of what BioSpectra has found to be accurate based on the current information that is available in regards to this compound. BioSpectra makes no warranty, expressed or implied, with respect to such information, and therefore assumes no liability resulting from product usage. It is strongly recommended that users of this product perform their own investigations to determine the accuracy and suitability of the information for their specific purposes. In no way will BioSpectra assume liability for any claims, losses, damages to any third party, any lost profits or any special, indirect, incidental, consequential or exemplary damages that may arise, even if BioSpectra has been advised of the possibility of such damages.