

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Identification of the substance or preparation

Product Name: VivoTrax

1.2. Company/ undertaking identification

Company Name: Magnetic Insight Inc

Address: 980 Atlantic Avenue, Suite 102 Alameda CA California 94501 USA

Telephone: +510 291 1200

Email: info@magneticinsight.com

1.3. Emergency/ Information

Department Name: Reagents Division

Telephone: +510 291 1200

Email: info@magneticinsight.com

2. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name: Dextran Magnetite

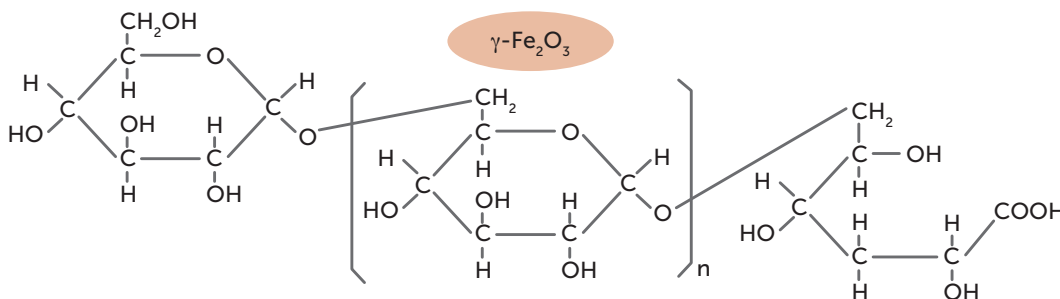
Synonyms: Hydrophilic colloidal solution of super-paramagnetic iron oxide coated with carboxydextran

Chemical Family: Derivative of dextran

Contents: Total Iron= 4.0–5.5 mg/mL

Total Carboxydextran= 4.4–6.0 mg/mL

Formula of components: Iron oxide $\gamma\text{-Fe}_2\text{O}_3$
Carboxydextran (CDx)



3. HAZARDS IDENTIFICATION

Health Hazard Information: No remarkable health hazards are informed

Signs and symptoms of exposure: No remarkable signs and symptoms are observed

4. FIRST AID MEASURES

Skin contact: Wash with plenty of water for a few minutes

Eye contact: Flush eyes thoroughly with water

If ingested: Induce vomiting

5. FIRE FIGHTING MEASURES

Solution is nonflammable, but there is the hazard of the glass vial breaking apart due to extreme heat.

Extinguishing media: Water, dry chemical, foam, carbon dioxide

6. ACCIDENTAL RELEASE MEASURES

Released or spilled material: Use a wet cloth or wash out with plenty of water

7. HANDLING AND STORAGE PRECAUTIONS

Handling: Handle carefully and store within provided glass vial. Refer to section 8 for personal protective wear.
Storage: Store at 2–8°C away from sunlight

8. EXPOSURE CONTROL/ PERSONAL PROTECTION

Eye Protection: Use of safety glasses is recommended
Hand/Skin Protection: Use of latex or plastic gloves is recommended to prevent solution from coming in contact with open wounds.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: A red/brown liquid
Miscibility: Miscible with water but not with ethanol (95) nor diethyl ether.
Solubility: Hydrochloric acid or sulfuric acid/water (1:1), and nitric acid when heated in water bath. Not soluble in ammonia wither (28%)
Density: 1.1 g/mL (20°C)
pH: Neutral

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous decomposition or byproducts: None
Hazardous polymerization products: None

11. ECOLOGICAL INFORMATION

No information available

12. DISPOSAL CONSIDERATIONS/ WASTE DISPOSAL METHOD

Wash down sewer as local regulations require

13. TRANSPORT INFORMATION

Handle containers with care

14. REGULATORY INFORMATION

None

15. OTHER INFORMATION

None

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