

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND OF THE COMPANY/UNDERTAKING
1.1. Identification of the substance or preparation

Product Name: VivoTrax
 Product Number: M101
 CAS Number: 0178303-21-4

1.2. Company/ undertaking identification

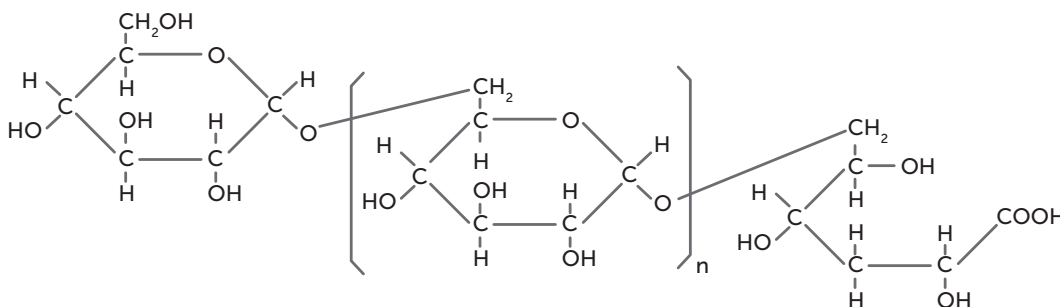
Company Name: Magnetic Insight Inc.
 Address: 1010 Atlantic Avenue, Suite 100 Alameda, CA USA
 Telephone: +510 291-1200
 Email: info@magneticinsight.com

1.3. Emergency/ Information

Department Name: Reagents
 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= 5.30–5.86 mg/mL
 Total Carboxydextran= 5.8–7.0 mg/mL
 Formula of components: Iron oxide γ -Fe₂O₃
 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 solution (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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