

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

### 1.1. Identification of the substance or preparation

Product Name: VivoTrax/VivoTrax<sup>Plus</sup>  
Product Number: M101  
CAS Number: 0178303-21-4

### 1.2. Company/ undertaking identification

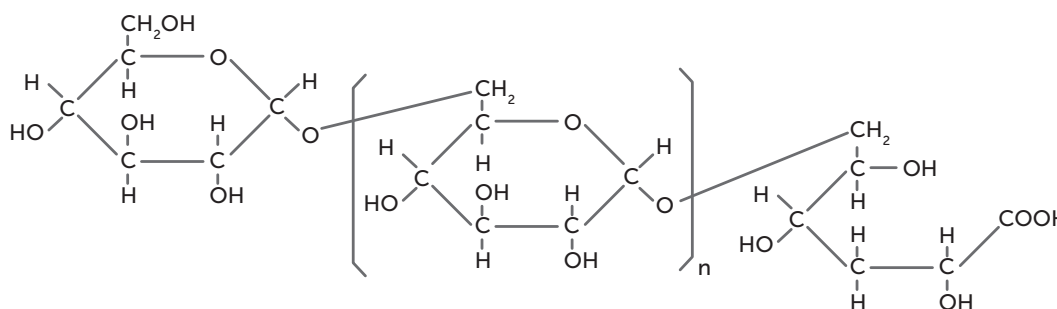
Company Name: Magnetic Insight Inc.  
Address: 5 Egret Court, Alameda, CA USA  
Telephone: +510 291-1200  
Email: info@magneticinsight.com

### 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  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub>  
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

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## 6. ACCIDENTAL RELEASE MEASURES

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

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## 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

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## 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.

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## 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

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## 10. STABILITY AND REACTIVITY

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

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## 11. ECOLOGICAL INFORMATION

No information available

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## 12. DISPOSAL CONSIDERATIONS/ WASTE DISPOSAL METHOD

Wash down sewer as local regulations require

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## 13. TRANSPORT INFORMATION

Handle containers with care

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## 14. REGULATORY INFORMATION

None

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## 15. OTHER INFORMATION

None

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