

# RIGBY TAYLOR LTD

## PRODUCT SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE:

**MASCOT LIQUID IRON (15.0.0 + 8% Iron + 5% S)**  
A Liquid fertiliser containing Iron, Nitrogen and Sulphur for use on sports and amenity turf.

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

Ingredient	Concentration	Symbol	R Phrases	CAS No:
Ferrous Sulphate Heptahydrate (21% Fe)	40%	Xn	R 22	7782-63-0
<b>EINECS No:</b> 231-753-5				
Urea (low biuret)		-	-	-

### 3. HAZARDS IDENTIFICATION:

Irritating to eyes and skin. Of low toxicity but may cause irritation to skin, eyes and respiratory system. During fire and thermal decomposition Carbon Monoxide, Carbon Dioxide, particulate matter and other organic compounds may be given off following complete evaporation.

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### 4. FIRST AID MEASURES:

**Ingestion: DO NOT** induce vomiting. Wash mouth out with water, give large quantities of water to drink. Seek medical advice as soon as possible.

**Eye Contact:** Irrigate immediately with plenty of water or eyewash solution for at least 15 minutes. Seek medical advice if symptoms persist.

**Skin Contact:** Remove contaminated clothing. Wash affected areas of skin promptly with soap and water. Seek medical treatment if symptoms persist.

**Inhalation:** Remove from exposure, keep warm and at rest. If symptoms persist obtain medical attention.

#### **Fire & Thermal Decomposition Products:**

**Inhalation:** Remove from source of exposure to fumes. Keep warm and at rest. Persons who have inhaled decomposition gases during a fire, should seek medical and be kept under observation for 48 hours

**Skin Contact:** Wash areas in contact with hot liquid or residues copiously with cold water. Seek medical attention.

### 5. FIRE FIGHTING MEASURES:

**Extinguishing media:** If involved in a fire use foam, dry powder or water spray.

**Hazardous combustion products:** Product may evolve harmful fumes if involved in a fire.

**Protection of fire fighters:** Wear self-contained breathing apparatus and protective clothing.

**Additional Information:** Non-combustible. Non-flammable. Will not burn. Contain run-off water to prevent entry into watercourses or drainage system. Keep containers involved in fire cool by spraying with water.

### 6. ACCIDENTAL RELEASE MEASURES:

**Personal Precautions:** Wash hands after handling.

#### **Environmental Precautions:**

Prevent entry into drains and watercourses. Inform local water authority if material enters watercourses.

**Clean-up Method:** Absorb small spills with absorbent material e.g. sand or soil and sweep up into suitable impermeable, labelled container for disposal by reputable disposal contractor. For large spills, bund spillage to prevent it entering watercourses. If contamination does occur inform local water authority immediately.

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### 7. HANDLING & STORAGE:

**Handling:**

Wear protective gloves and face protection when handling concentrate. Use good industrial hygiene procedures. Read the label before use. Do not consume food or drink in work area. Wash hands and exposed skin before eating, drinking and after work. Do not exceed maximum recommendations.

**Storage:**

Keep in original container tightly closed in a safe place. Keep in a dry, secure store, separate from foodstuffs, drink, fuel, combustible materials or pesticides. Keep out of reach of children. Protect from freezing.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

**Exposure Guidelines:**

Occupational Exposure Standards: (EH40): Iron Salts (as Fe) 1 mg/cubic metre (8 hr TWA), 2 mg/cubic metre (10 min).

Avoid contact with skin or eyes. It is recommended that coveralls, protective gloves and face protection be worn when handling the concentrate product and that elementary hygiene precautions are taken e.g. wash after skin contact and before meals. It is also recommended that sensitive subjects wear a non-toxic particle mask when exposed to product spray mist.

### 9. PHYSICAL AND CHEMICAL PROPERTIES:

**Form:** Liquid

**Colour:** Clear Green to Brown

**Odour:** Ammoniacal/Metallic

**pH:** acidic

**Melting Point:** N/A

**Flash Point:** None

**Vapour Pressure:** N/A

**Specific Gravity:** 1.38 @ 20 degrees C

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### 10. STABILITY AND REACTIVITY:

Stable under normal storage temperature conditions. Avoid extremes of heat. Thermal decomposition will release harmful sulphur oxide fumes. No hazardous decomposition products under normal storage conditions. Incompatible with caustic or oxidising materials.

### 11. TOXICOLOGICAL INFORMATION:

**Ingestion:** Ferrous Sulphate has a long history of use including iron pills to treat anaemia. If Ingested in large amounts, can cause gastric irritation, leading to nausea ,vomiting and abdominal pain. Possible delayed metabolic acidosis, coma and eventual liver damage. The physical, chemical and toxicological properties of Ferrous Sulphate have not been fully investigated.

**Inhalation:** May cause irritation of respiratory tract with prolonged or repeated exposure.

**Skin Contact:** May cause skin irritation.

**Eye Contact:** May cause eye irritation.

### 12. ECOLOGICAL INFORMATION

Do not contaminate surface waters or ditches with chemical or used containers.

### 13. DISPOSAL CONSIDERATIONS:

Dispose of excess product/spillage via a reputable disposal contractor.

Do not contaminate ponds, waterways or ditches with chemical or used container.

Empty, rinsed, clean, punctured containers will normally be accepted at refuse sites.

### 14. TRANSPORT INFORMATION:

**UN Number:** Not hazardous for transport. Does not apply

**Packing Group:** N/A

**Hazard Class:** N/A

**Additional Information:** Ensure that containers are secure before journey begins. No special precautions are needed.

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### **15. REGULATORY INFORMATION:**

EEC CLASSIFICATION: IRRITANT – IRRITATING TO SKIN AND EYES

AVOID CONTACT WITH EYES

WEAR PROTECTIVE GLOVES AND FACE PROTECTION when handling concentrate.

In case of contact with eyes or skin, flush immediately with plenty of water.

Do not breathe spray.

KEEP OUT OF REACH OF CHILDREN

### **16. OTHER INFORMATION:**

The data given in this sheet is based on current knowledge and experience, however no liability is accepted for any insufficiency or omission in any case whatsoever.

This data sheet does not constitute an assessment of workplace control as required by current legislation.

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