

## Safety Data Sheet: ITS Humic Iron

**1. IDENTIFICATION**

<b>Product Name:</b>	ITS Humic Iron
<b>Other Names:</b>	None Allocated
<b>UN No.:</b>	None Allocated
<b>Dangerous Goods Class:</b>	N/A
<b>Subsidiary Risk:</b>	None Allocated
<b>Hazchem Code:</b>	N/A
<b>Pack Group:</b>	N/A
<b>EPG:</b>	N/A
<b>Poisons Schedule:</b>	N/A
<b>SDS Date:</b>	01 SEPT 2021

**2. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Dark brown-black, coloured liquid with slight woody odour.		
<b>Product Description:</b>	ITS Humic Iron is a soil conditioner containing iron, amino acids, modified humates and Fulvates.		
<b>Boiling Point:</b>	100 <sup>0</sup> C (approx...)	<b>Specific Gravity:</b>	1.20 gcm <sup>-1</sup>
<b>Melting Point:</b>	N/A	<b>Sublimation Point:</b>	N/A
<b>Decomposition Point:</b>	N/A	<b>Flash Point:</b>	N/A
<b>Vapour Pressure:</b>	18 mm Hg @ 20 <sup>0</sup> C	<b>Flammability limits:</b>	N/A
<b>Viscosity:</b>	N/A	<b>Auto ignition Temp:</b>	NAV
<b>pH:</b>	5.8	<b>Upper Explosion Limit:</b>	NAV
<b>Solubility in water:</b>	SOLUBLE		

**CHEMICAL COMPOSITION**

<b>Ingredient:</b>	<b>CAS No</b>	<b>Content</b>
<i>(expressed as elemental concentration)</i>		
1) Iron (Fe)	3931-38-9	< 5.0 % w/v
2) Amino Acid Compounds	NAV	< 20.0 % w/v
3) Sulphur (S)	Mixture	< 3.0 % w/v
4) Modified Humates, Fulvates	NAV	< 30.0 % w/v

Stable liquid with no known hazardous decomposition  
 Non Hazardous according to the criteria of Worksafe Australia

NAV = Not Available

N/A = Not Applicable

## HAZARDS IDENTIFICATION

### 3.1 HEALTH HAZARD INFORMATION

#### Hazards Identification:

<b>Ingestion</b>	Ingestion of this product may irritate the gastric tract. May cause diarrhea, nausea, vomiting and cramps if ingested.
<b>Eye</b>	This material maybe irritating to eyes. Eye protection necessary during application.
<b>Skin</b>	Prolonged contact may cause irritation or allergic dermatitis.
<b>Inhaled</b>	May cause irritation to respiratory system if mists or sprays inhaled.

### 3.2 HEALTH EFFECTS – CHRONIC

No Information available.

No known significant health effects.

### 3.3 FIRST AID

<b>Ingested</b>	<b>Do not</b> induce vomiting. Wash mouth and lips with copious amounts of water and give limited amounts of water and milk. <b>Do not</b> give anything by mouth to an unconscious person. Seek medical attention.
<b>Eye</b>	Irrigate with copious quantities of water for 15 minutes. In all cases of eye contamination it is sensible to seek medical advice.
<b>Skin</b>	Immediately wash skin with soap and copious amounts of water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.
<b>Inhalation</b>	Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult, have qualified person give oxygen through a face mask. Seek medical advice if effects persist.
<b>First Aid Facilities</b>	Ensure eye bath and safety shower available and ready for use.
<b>Advice to Doctor</b>	Treat symptomatically and supportively.

### 3.4 TOXICOLOGICAL INFORMATION

<b>Health Hazard Summary</b>	Low toxicity - low irritant. This product may only present a hazard with direct eye contact or with prolonged and repeated skin contact. No chronic effects are anticipated with normal use.
<b>Eye</b>	Low irritant. Contact may result in irritation and lacrimation.
<b>Inhalation</b>	Low irritant. Over exposure at high levels may result in mucous membrane irritation of the nose and throat with coughing.
<b>Skin</b>	Low irritant. Prolonged or repeated contact may result in mild irritation, rash and dermatitis.
<b>Ingestion</b>	Low toxicity. Ingestion of large quantities may result in nausea, vomiting and gastrointestinal irritation.
<b>Toxicity Data</b>	No LD50 data available for this product.

### 3.5 ECOLOGICAL INFORMATION

**Environment** Plant nutrients may be beneficial to plants at low levels, however high levels may cause reduced growth or burns in sensitive species. Excess may be washed through soil to waterways. Nutrients released to waterways may cause algal blooms, with potential for toxic effects on aquatic organisms.

## 3. PRECAUTIONS FOR USE

### 3.1 EXPOSURE STANDARDS

Not established.

### 4.2 ENGINEERING MEASURES

Avoid generating and inhaling fumes. Provide natural or mechanical ventilation to minimize exposure. Keep containers closed when not in use.

### 4.3 PERSONAL PROTECTION

**Hand Protection** Wear rubber gloves

**Eye Protection** Wear chemical safety goggles unless a full face respirator is worn.

**Skin Protection** Wear protective clothing with rubber boots.

### 4.4 FLAMMABILITY

Not flammable under conditions for use.

## 4. SAFE HANDLING INFORMATION

### 4.1 STORAGE/TRANSPORT

Keep containers closed at all times. Check regularly for spills. Avoid extreme temperatures. Handle in accordance with good industrial safety practices. Store separate from acids, reactive metals and ammonium salts. Do not store in aluminium, fiberglass, copper, brass, zinc or galvanised containers. Avoid storage and contact with strong acids.

### 5.2 SPILLS AND DISPOSAL

**Spills** Clean-up Personnel should wear full protective clothing including breathing equipment if fumes prevail. Cover with damp absorbent inert material (sand or soil). Collect and seal in properly labelled drums for disposal. Avoid contaminating waterways.

**Disposal** Observe all federal, state and local environment regulations. Refer to Department of Environment for guidelines.

**5.3 FIRE & EXPLOSION HAZARD**

**Fire/Explosion** Not considered to be a significant fire risk.

**Extinguishing Media** Water jets or water spray.

**5.4 REGULATORY INFORMATION**

**Poison Schedule** A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

**AICS** All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

**5. OTHER INFORMATION****5.1 CONTACT POINTS**

Organisation	Location	Telephone	Ask for
Independent Turf Services Pty Ltd	Tullamarine, Victoria	+61 (03) 9333 2155	General Manager
Poisons Information Centre		13 11 26	

**Additional Information**

**EXPOSURE STANDARDS - TIME WEIGHTED AVERAGES:** Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**Report Status**

This document has been compiled by the manufacturer of the product and serves as the manufacturer's Safety Data Sheet ('SDS').

It is based on information concerning the product and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While Independent Turf Services Pty Ltd has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Independent Turf Services Pty Ltd accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

**6. COMPANY INFORMATION**

<b>Supplier:</b>	Independent Turf Services Pty Ltd
<b>Address:</b>	PO Box 1539, Tullamarine, Victoria, 3043
<b>Telephone:</b>	(03) 9333 2155
<b>Email:</b>	scott@independentturf.com.au
<b>Website:</b>	www.independentturf.com.au

**END OF SDS**