



MATERIAL SAFETY DATA SHEET

Iron Sulfate Monohydrate

1. IDENTIFICATION

Product Name	Iron Sulfate Monohydrate.
Chemical Name	Ferrous sulfate 7-hydrate.
Other Name/s	Iron (II) sulfate, heptahydrate, copperas, green vitriol.
Manufacturers Name	Nutri-Tech Solutions Pty Ltd.
Telephone Number	+61 (0)7 5472 9900.
U.N. Number	None allocated.
Dangerous Goods Class	ORM-E.
Secondary Risk	None.
Hazchem Group	No data available.
Pack Group	None allocated.
EPG	None allocated.
Poisons Schedule	None allocated.
Uses	Soil additive.

1.1 Emergency Contact Points

Police and Fire Brigade	000.
If ineffective	13 22 03 (Exchange).
For emergency response	1800 625 526.
National Poisons Information Centre	13 11 26 (from anywhere in Australia).

1.2 Physical Description/Properties

Appearance	Blue-green, crystals or granules.
Chemical Formula	FeSO ₄ ·7H ₂ O
Odour	None.
pH	No data available.
Flammability	Not flammable.
Solubility in Water	More than 10%.
Lower Explosion Limit	Not applicable.
Upper Explosion Limit	Not applicable.
Bulk Density	No data available.
Specific Gravity	1.9.
Melting Point	No data available.
Boiling Point	No data available.
Vapour Pressure	No data available.
Evaporation Rate	No data available.



Ph: 07 5472 9900 (general)

07 5472 9910 (accounts)

Fax (07) 5472 9999

www.nutri-tech.com.au

Email: info@nutri-tech.com.au

NUTRI-TECH SOLUTIONS P/L

All correspondence to: PO Box 338, Eumundi Qld 4562

Factory: 7 Harvest Street, Yandina Qld 4561

ABN 47 641 760 725

Mobile Phone Numbers:

Graeme Sait (0407) 586 008

or (0427) 586 008

Bryan Sait (0427) 722 754

Rosa Sait (0409) 586 008



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Reactivity Data Stable. Hazardous polymerisation will not occur. Avoid moisture. Incompatible with strong bases, carbonates, potassium metal. Produces oxides of sulfur on decomposition.

1.3 Other Properties No data available.

1.4 Ingredients Iron sulfate 100%.

2 HEALTH HAZARD INFORMATION

2.1 Health Effects

General No effects documented.
 I Ingestion May cause irritation.
 Eye Contact May cause irritation.
 Skin Contact May cause irritation.
 Inhalation May cause irritation.

2.2 First Aid and Emergency Procedures

Ingestion If swallowed and the person is conscious, immediately give large amounts of water. Seek medical attention.
 Eye Contact Immediately flush with water for at least 15 minutes. Seek medical attention.
 Skin Contact Immediately wash with plenty of soap and water for at least 15 minutes.
 Inhalation Remove to fresh air. Seek medical attention.

2.3 First Aid Facilities No data available.

2.4 Advice to Doctor Treat symptomatically.

2.5 Toxicity Data Oral LD50 (mouse)1520 mg/kg, IV LD50 (mouse) 51mg/kg.

3 PRECAUTIONS FOR USE

3.1 Conditions to Avoid Avoid moisture. Avoid generation of large quantities of dust. Incompatible with strong bases, carbonates, potassium metal.

3.2 Personal Protection Use adequate general or local ventilation to keep fume or dust levels as low as possible. Where airborne concentration is high use an appropriate respirator or dust mask. Safety glasses with sideshields and proper gloves are recommended.





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3.3 Special Fire Fighting Procedures Full SCBA recommended. Material decomposes at high temperature to form oxides of sulfur.

3.4 Flammability Not flammable.

4 SAFE HANDLING INFORMATION

4.1 Storage/Transport. Keep container tightly closed. Suitable for any general chemical storage area.

4.2 Packaging/Labelling

UN No Not applicable.
 Pack Group Not applicable.
 Class Not applicable.
 Hazchem Code Not applicable.
 Subs Risk Not applicable.
 EPG No Not applicable.
 Shipping Name. Ferrous sulfate.
 Hazard None.

4.3 Spills and Disposal

Spilled Material. Wear suitable protective clothing. Carefully sweep up and remove.
 Disposal Dispose of in accordance with all local, state and federal environmental regulations.

4.4 Fire/Explosion Hazard

Fire/Explosion Decomposes at high temperature to form oxides of sulfur.
 Extinguishing Media Use appropriate media for surrounding fire conditions.

5 OTHER INFORMATION No data available.

DISCLAIMER

The data and recommendations presented herein are based upon research of others and are believed to be accurate. However, no warranty is expressed or implied regarding this data or the results to be obtained from use thereof. **Nutri-Tech Solutions P/L**, assumes no responsibility for the injury to customers or third party proximity caused by the material if reasonable safety procedures are not adhered to as stipulated in this data sheet.

