

Material Safety Data Sheet

1. IDENTIFICATION OF SUBSTANCE/COMPANY/UNDERTAKING

Product Name: Magnesium Sulphate Heptahydrate
(Epsom Salts)

Company Name: William Hodgson & Company
'The Dairy',
Gawsworth Business Court,
Shellow Lane, North Rode,
Congleton, Cheshire. CW12 2FQ

Telephone Number: 01260 222 943

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Formula: $MgSO_4 \cdot nH_2O$, n = 0, 1, 7

CAS Number: 10034-99-8

EINECS Number: 231-298-2

UK Customs No: Cus 19441

Composition: Contains 99% minimum Magnesium Sulphate

3. HAZARDS IDENTIFICATION

Not classified as hazardous according to current regulations.

4. FIRST AID MEASURES

Skin contact: Wash with soap & water. Seek medical advice
If irritation develops

Eye contact: Wash and rinse with plenty of water. If
Irritation or redness develops seek medical
advice

Ingestion: Seek medical attention

Inhalation: Remove from exposure to fresh air. Seek
Medical attention if any breathing difficulty

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5. FIRE FIGHTING EXTINGUISHING MEASURES

Product Name: **Magnesium Sulphate Heptahydrate
(Epsom Salts)**

Select extinguishing agent appropriate for other materials in fire.

Non combustible or flammable and normally not a fire risk.

Specific Hazards: Toxic or corrosive vapours may be released
In fire situation – oxides of sulphur

Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid breathing dust.

Environmental Precautions: Prevent contamination of soil, drains and
Surface water.

Cleaning method: Avoid dry sweeping or other methods which
Raise dust. Vacuum or wet-sweep and place
Into a suitable closable, labeled container for
Disposal. Wash the area clean with water and
Detergent, observing environmental
Requirements.

7. HANDLING & STORAGE MEASURES

Usage Precautions: The product should be used in accordance with
Good industrial safety practice and hygiene
Principles for handling and storing of chemicals.
Ensure good ventilation and local exhaust
Extraction in work place.

Storage Precautions: In a securely sealed original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

No specific WEL assigned, however for dusts of any kind ensure LTEL (8hr
TWA ref period) level does not exceed 10mg.m³ for inhalable dust or 4 mg.m³
For respirable dust or as recommended in current edition of EH40.

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8. EXPOSURE CONTROLS CONTINUED

Product Name:	Magnesium Sulphate Heptahydrate (Epsom Salts)
Engineering Measures:	Provide adequate general and local exhaust Ventilation
Respiratory Equipment:	If unable to control airborne dust emissions Below recommended limits, use approved Respiratory protective equipment offering P2 Level of protection.
Hand Protection:	Use protective gloves
Eye Protection:	Use eye protection if eye contact is likely
Other Protection:	Wear personal protective equipment appropriate To the quantity of material handled
Hygiene Measures:	Regularly vacuum dust to minimize the potential Of air-borne exposure.

9. PHYSICAL & CHEMICAL PROPERTIES

Please see separate specification sheet.

10. STABILITY AND REACTIVITY

Stability: Stable under normal operational conditions.
Hazardous Decomposition Prods: Oxides of Sulphur if heated to dryness.

11. TOXICOLOGICAL EFFECT

Inhalation:	High concentration of dust may cause transient Irritation to upper respiratory tract.
Ingestion:	May cause gastro-intestinal disturbance, acts as Mild laxative. Ingestion of sufficient quantities May lead to heart changes, flaccid paralysis And cyanosis.
Skin Contact:	Repeated or prolonged contact may cause mild Irritation and /or drying of skin.
Eye Contact:	Dust may cause mechanical irritation to eyes.

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12. ECOLOGICAL INFORMATION

Product Name:	Magnesium Sulphate Heptahydrate (Epsom Salts)
Ecotoxicity:	No specific data or information available Regarding environmental impact. Regarded As having low toxicity to aquatic organisms.
Mobility:	Soluble in water
Degradability:	Not biodegradable

13. DISPOSAL CONSIDERATIONS

Dispose of according to local and national regulations.

14. TRANSPORT INFORMATION

General: Not subject to the provisions of ADR

15. REGULATORY INFORMATION

Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (as amended). This product is not classified as a dangerous substance under the classification, packaging and labeling of dangerous substances regulations.

This product has been classified in accordance with CHIP3 Regulations (CHIP2002 as amended)

16. OTHER INFORMATION

The information contained herein is accurate to the best of our knowledge

No liability can be accepted arising out of the use, application or processing of this product.

It is the Users responsibility to determine safe conditions for the use of this material.