



HARRIS FILTERS MAGNESIUM SULPHATE

MATERIAL SAFETY DATA SHEET

1. Identification of the substance/preparation and of the company

Product Name: Magnesium Sulphate

Company Identification: Harris Filters
42 & 43 Zoar Street
Lower Gornal
Dudley
West Midlands
DY3 2PA, UK
Tel: 01384 253073

2. Composition/Information on ingredients

Substance Name: Magnesium Sulphate Heptahydrate $MgSO_4 \cdot 7H_2O$

Name	CAS No.	EC No.
Magnesium Sulphate	10034-99-8	231-298-2

3. Hazard Identification

Classification (Regulation (EC) No 1272/2008): Not classified

Classification (67/548/EEC, 1999/45/EC): Not classified

4. First Aid Measures

No specific health warnings noted.

Inhalation: Move to fresh air in case of accidental inhalation. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion: immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

Eye Contact: Make sure you remove any contact lenses from the eyes before rinsing. Flush eyes with plenty of water awhile lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Skin Contact: Remove affected person from source of contamination. Wash with plenty of water and soap.

Most important symptoms and effects, both acute and delayed:

No further relevant information

Indication of any immediate medical attention and special treatment needed:

No further relevant information

5. Fire Fighting Measures

Fire extinguishing media:	Water spray, dry powder or carbon dioxide. This product is not flammable.
Special hazards from the mixture	This product is not combustible. If heated, toxic vapours may be formed.
Advice for firefighters:	Wear the self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

Personal Precautions:	Use protective gloves, goggles and suitable clothing. Dust mask.
Environmental Precautions:	Do not allow to enter drains, sewers or watercourses.
Methods for Cleaning:	Sweep up and shovel into dry containers. Cover and move the containers. Flush the area with water.

7. Handling & Storage

Handling:	No specific usage precautions noted.
Storage:	Keep container tightly closed.

8. Exposure Controls/Personal Protection

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. When using, do not eat, drink or smoke.

Process conditions:	Provide eyewash station
Exposure Controls:	Handle in accordance with good industrial hygiene and safety procedures. Accurately wash the hands with soap and water before meals. Ensure adequate ventilation.
Hand protection:	Nitrile gloves are recommended.
Eye protection	Wear approved safety glasses (goggles).
Skin and body protection	No specific recommendations.
Respiratory protection	No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m ³

9. Physical & Chemical Properties

Physical and chemical properties	Value
Appearance	Crystals
Colour	Colourless
Odour	No characteristic odour
pH	n/a

Melting point/range	>48C.
Flash point	Does not flash
Evaporation rate	not available
Flammability (solid, gas)	This product is not flammable
Vapour pressure	10.6 mbar 20C
Density	not available
Solubility in water	34 @ 1013 hPa @ 20C
Partition coefficient: n-octanol/water	not applicable
Auto-ignition temperature	not applicable
Auto ignition temperature	not applicable
Thermal decomposition	200C
Explosive properties	not explosive

10. Stability & Reactivity

Reactivity	Stable under recommended storage conditions.
Chemical stability	Stable under normal temperature conditions
Hazardous Polymerisation	Will not polymerise
Conditions to avoid	Not relevant.
Incompatible materials	No incompatible groups noted.
Hazardous decomposition products	Fire creates sulphurous gasses (SO _x)

11. Toxicological Information

General information:	No specific health warnings noted.
Inhalation;	No specific health warnings noted.
Ingestion:	No specific health warnings noted.
Skin contact:	Skin irritation is not anticipated when used normally
Eye Contact:	Dust in the eyes will cause irritation

12. Ecological Information

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Toxicity to fish	LC50	96 hrs	28670	Mg/l	Leuciscus Idus
Toxicity to daphnia	EC50	48 hrs	3840	Mg/l	Daphnia magna

Bioaccumulative potential:	not data available
Degradability:	no data available

13. Disposal Consideration

General Information: Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

Disposal methods: Dispose of waste and residues in accordance with local authority requirements. Contact specialist disposal companies.

14. Transport Information

This product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR, RID).

15. Regulatory Information

UK REGULATORY REFERENCES:

Chemicals (Hazard Information & Packaging) Regulations.

EU DIRECTIVES:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration Evaluation. Authorisation and Restriction of chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I.2009 No. 716).

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

Harris Filters has compiled the information contained in this data sheet to the best of its own knowledge and of available reliable data.

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