anguage : English	1	Salety Da	ta Sheet Modified: 2	022-10-04
1: Identification	of substance / mi	ture		
1. Product Ider	ntifier		Su	bstanc
Product Name	Magnesium	Sulphate Anhydrous		
Product Code	M24300			
CAS Number	7487-88-9			
Other Names	M24300			
IUPAC				
MFCD Number				
EC/EINECS				
REACH Numbe	er		Index-No	
2. Relevant ide	entified uses of th	e substance or mixture and	l uses advised against	
For laboratory r	research use			
3. Details of th	e supplier of the	safety data sheet		
Melford Laborat	tories Ltd			
Bildeston Road	,Chelsworth			
lpswich				
Suffolk IP77LE		Telephone: Fax:	01449 741178 01449 741217	
UK		Fax. Email:	support@melford.co.uk	
-	telephone numbe		oupport emonora.oo.ax	
+44(0)1449 741				
2. Hazards Ider	ntification			
1. Classificatio	on of the substand	e or mixture		
H315	Skin Irrit. 2			
H319	Eye Irrit. 2			
H335	STOT SE 3			
2. Label eleme	nts			
Non Hazardou	s Warning	!>		
		\mathbf{V}		
Hazard Statem				
H315	Causes skin irritati			
H319	Causes serious ey			
H335	May cause respira	ory irritation.		
Precautionary				
P233	Keep container t	• •		
P260		ust/fume/gas/mist/vapours/sp	-	
P280		gloves/protective clothing/eye		
P302 + P352		sh with plenty of soap and wa		
P304 + P340			keep at rest in a position comfortable for breathing	
P305 + P351 + P338	IF IN EYES: Rine easy to do. Cont		everal minutes. Remove contact lenses, if present	t and
3. Other Hazard	ds			
Non Hazardous	8			
o o iii	/ Information on In	ene l'acto		

1. Substances

Safety Data Sheet

Revision: 3.00

Modified: 2022-10-04 **Product Name** Hazards Concentration Magnesium Sulphate Anhydrous CAS Number: 7487-88-9 H315, H319, H335 Eye Irrit. 2, Skin Irrit. 2, STOT SE 3 <= 100% 4. First Aid Measures 1. Description of first aid measures Skin Contact P302 + P352: IF ON SKIN: Wash with plenty of soap and water. Wash immediately with plenty of soap and water. Consult a doctor. Eye Contact P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse opened eye for several minutes under running water. Consult a doctor. Wash out mouth with water. Ingestion Consult a doctor. Inhalation P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Remove casualty from exposure ensuring one's own safety whilst doing so. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. 2. Most important symptoms and effects No data available 3. Indication of any immediate medical attention Consult a doctor. 5. Firefighting measures 1. Extinguishing Media Suitable Carbon dioxide. Dry chemical powder. Alcohol resistant foam. Alcohol or polymer foam. Unsuitable Water 2. Special Hazards arising from the substance or mixture No data available 3. Advice for Fire Fighters Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. 6. Accidental Release Measures **1. Personal Precautions** Mark out the contaminated area with signs and prevent access to unauthorised personnel. 2. Environmental Precautions Do not discharge into drains or rivers. 3. Methods & Materials

Transfer to a closable, labelled salvage container for disposal by an appropriate method.

4. Preventing the occurrence of secondary hazards.

Clean up all spills immediately. Wear suitable PPE.

Safety Data Sheet

7.Handling and Storage

1. Personal Precautions

Safe Handling	Ensure there is exhaust ventilation of the area.
Protection against explosions and fires	Normal measures for preventive fire protection.

2. Conditions for safe storage, including any incompatibilities

Managing Storage Risks	Store in cool, well ventilated area.
Storage Controls	No special requirements
Maintaining Integrity	P233: Keep container tightly closed. Store away from oxidising agents
Other advice	no further information available

3. Specific End Uses

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

Exposure Controls/Personal Protection	bn
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1. Control Parameters

No Data Available

2. Exposure Controls

2. Exposure Controls	
General protective and hygiene measures	P280: Wear protective gloves/protective clothing/eye protection/face protection. Avoid contact with skin and eyes
Engineering measures	Ensure there is exhaust ventilation of the area.
Eye / Face Protection	Safety Glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)
Hand protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it
Respiratory protection	P260: Do not breathe dust/fume/gas/mist/vapours/spray. Respiratory protective device with particle filter. Use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Skin protection	Protective clothing. Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Other personal protection advice	no data available

9. Physical and Chemical Properties

1. Physical and Chemical Properties

Appearance	White powder
Odour	No Data Available
Odour threshold	No Data Available
РН	No Data Available
Melting point / Freezing point	1124°C

According to Regulation (EC) No. 1272/2008 Language : English

Safety Data Sheet

No Data Available	
No Data Available	
1.67 g/ml at 4°C	
Water, 73.8 g/L at 100°C	
No Data Available	
	No Data Available No Data Available

2. Other Information

No additional information available

10. Stability and Reactivity

1. Reactivity

No data available

2. Stability

Stable under recommended storage conditions.

3. Possibility of Hazardous Reactions

No data available

4.Conditions to Avoid

No data available

5. Incompatible Materials

Strong oxidising agents.

6. Hazardous Decomposition Products

No data available

11. Toxicology information

1. Information

Acute Toxicity	LD50 Oral > 2,000 mg/kg (Rat)
Skin corrosion/irritation	No data available
Serious eye Damage/irritation	No data available
Respiratory or skin sensitisation	No data available
Germ Cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	

No data available

2. Additional

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

12. Ecological Information

1. Toxicity

Freshwater Algae EC50 72h 2700mg/L

Water Flea EC50 24h 1700mg/L

Microtox =84000mg/L EC50 Photobacterium phosphoreum 30min phosphoreum: EC50: 77.2mg/L/24 hr

2. Persistence and degradability

No data available

3. Bio-Accumulative Potential

No data available

4. Mobility and Soil

No data available

5. Results of PBT & vPvB assessment

No data available

6. Other adverse effects

No data available

13. Disposal Considerations

1. Waste Treatment Methods

Disposal Operations Consult state, local or national regulations for proper disposal.

Disposal of Packaging Disposal must be made according to official regulations.

14. Transport Information

Air (ICAO)

Not classified as hazardous for transport

Road (ADR)

Not classified as hazardous for transport

Sea (IMDG)

Not classified as hazardous for transport

15. Safety, health, environmental and national regulations

1. Safety, health, environmental and national regulations:

product is not subject to any additional regulations or provisions

2. Safety Assessment

No Chemical Safety Assessment

16. Other Information

1. Other Information:

ADR: Accord Europeen sur le transport des merchandises Dangereuses par Route(European Agreement concerning the International Carriage of Dangerous Goods by road)

RID:Reglement International concernant le transport des merchandises dangereuses par chemin de fer (Regulations concerning the International transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association

ICAO:International Civil Aviation Organization

ICAO-TI: Technical Instructions by the ICAO

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS:Chemical Abstracts Service

3. Disclaimer

The product listed is for research and development purposes only and not for human or animal use. As such, in most cases, the toxicological, ecological and physicochemical properties have not been fully determined and the product should be treated with respect and always handled under suitable conditions by appropriately qualified personnel. The responsible party shall use this datasheet only in conjunction with other sources of information gathered by them, and should make an independent judgement of suitability, to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this material safety data sheet, or in combination with any other product or process, is the responsibility of the user.