SIGMA-ALDRICH

Material Safety Data Sheet

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Product name	:	Magnesium s	sulfate		
Product Number		208094			
Brand	:	Sigma-Aldrich			
Company	:	Sigma-Aldrich C 2149 Winston Pa OAKVILLE ON CANADA	ark Drive		
Telephone	:	+19058299500			
Fax	:	+19058299292			
Emergency Phone #	:	800-424-9300			
OMPOSITION/INFORMA			6		
Synonyms	:	Magnesium sulp	hate		
Formula		MgSO4			
Molecular Weight		120.37 g/mol			
Molecular Weight	•	120.37 g/mor			
CAS-No.	EC	-No.	Index-No.	Concentration [%]	
Magnesium sulphate					
7487-88-9	231	-298-2	-	-	
AZARDS IDENTIFICATIO	ON				1
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Emergency Overview Target Organs Central nervous s		Gastrointestinal tr	ract		
Emergency Overview Target Organs	system,	Gastrointestinal tr	ract Not Rated		
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4. FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point no data available

Ignition temperature no data available

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

The product itself does not burn.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid dust formation.

Environmental precautions

Do not let product enter drains.

Methods for cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Provide appropriate exhaust ventilation at places where dust is formed.

Storage

Keep container tightly closed in a dry and well-ventilated place.

hygroscopic

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, 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).

Hand protection

Handle with gloves.

Eye protection Safety glasses

Hygiene measures General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

	Form	powder
	Colour	no data available
Sa	afety data	
	рН	no data available
	Melting point	no data available
	Boiling point	no data available
	Flash point	no data available
	Ignition temperature	no data available
	Lower explosion limit	no data available
	Upper explosion limit	no data available
	Vapour pressure	< 0.1 hPa (< 0.1 mmHg) at 20 °C (68 °F)
	Density	1.070 g/cm3
	Water solubility	no data available

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Conditions to avoid hygroscopic

Materials to avoid Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. Sulphur oxides, Magnesium oxide

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 Intraperitoneal - mouse - 1,029 mg/kg

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

no data available

	ntral nervous system depression, To the best of our knowledge, the chemical, physical, and
-	ave not been thoroughly investigated.
Potential Health Effects	
Inhalation Skin Eyes Ingestion Target Organs	May be harmful if inhaled. May cause respiratory tract irritation. May be harmful if absorbed through skin. May cause skin irritation. May cause eye irritation. May be harmful if swallowed. Central nervous system, Gastrointestinal tract,
ECOLOGICAL INFORMA	TION
Elimination informatior	n (persistence and degradability)
no data available	
Ecotoxicity effects	
Toxicity to fish	LC50 - Pimephales promelas (fathead minnow) - 2,820 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates.	EC50 - Daphnia magna (Water flea) - 343.56 mg/l - 48 h
Further information on	ecology
no data available	
to dispose of this materia Contaminated packagin Dispose of as unused pro	ng
TRANSPORT INFORMA	
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DOT (US)	
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16. OTHER INFORMATION

Further information

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