



STAR GRACE MINING CO., LIMITED

ADD: 29-67, NO.929, XINAN ROAD, SHAHEKOU DISTRICT, DALIAN, LIAONING, CHINA
E-mail: maggiewang@magnesium-fertilizer.com Web: www.magnesium-fertilizer.com
Tel: +86 0411-62672278 Fax: +86 0411-6263 1121

Tax ID: 912102040794810025

Zip Code: 116021

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY UNDERTAKING

Chemical Name	Magnesium Sulphate Anhydrous
CAS:	7487-88-9
Synonyms	
Chemical Formula	MgSO ₄ .
Supplier	Star Grace Mining Co., Ltd
Telephone Number	+86-411-62672268(China)
Fax Number	+86-411-62672268(China)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>MgSO₄%</u>	<u>EC-No</u>	<u>Symbol(s)</u>	<u>R-phrase(s)</u>
* Magnesium Sulphate	98%	N/A	N/A	N/A

3. HAZARDS IDENTIFICATION

Physical/Chemical hazards	Low.
Environmental hazards	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
Human health hazards	Low.

4. FIRST AID MEASURES

Effects and symptoms

Ingestion	Acts as a laxative. Ingestion of sufficient quantities may lead to heart changes, flaccid paralysis and cyanosis.
Inhalation	Not applicable.
Skin contact	No significant effects.
Eye contact	Mild eye irritation may result.
<u>First aid measures</u>	
Ingestion	Rinse mouth with plenty of water. Drink plenty of water. Consult a physician if necessary.
Inhalation	Not applicable.
Skin contact	Wash off immediately with soap and plenty of water.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids.

5. FIRE-FIGHTING MEASURES

Flammability	Non-Flammable.
<u>Suitable extinguishing media</u>	
Suitable	Water, dry powder, foam, carbon dioxide (CO ₂).
Not suitable	
Hazardous decomposition products	Heating to dryness will produce obnoxious and toxic fumes.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.



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6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Rubber or plastic gloves.
Environmental precautions	No special environmental precautions required.
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal. Rinse affected area with plenty of water.

7. HANDLING AND STORAGE

Storage / Handling No special storage conditions required.

Packaging Material

Suitable Polyethylene containers, paper bags.

Not Suitable

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Occupational Exposure limits Not applicable.

limits

Chemical Name

OEL (United Kingdom)

Recommended monitoring procedures

Personal protection equipment

Respiratory protection

Skin and body protection Lightweight protective clothing.

Hand protection Rubber or plastic gloves.

Eye protection Safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form powder

Colour White powder

Odour No odour

Molecular weight 120.3687

Boiling Point / range

Melting point / range

Freezing point

Decomposition temperature

Bulk Density

PH 5-9

Solubility Completely miscible.

10. STABILITY AND REACTIVITY

Stability Stable.

Hazardous decomposition products Oxides of Sulphur (if heated to dryness).



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11. TOXICOLOGICAL INFORMATION

Main Constituent(s)	Magnesium Sulphate Anhydrous
<u>Acute toxicity</u>	
Oral	Human, Oral TDLo : 428 mg/kg. Leads to muscle weakness. Acts as a laxative. Oral, Mouse LDLo : 5g/kg.
Inhalation	
Skin irritation	Low.
Eye irritation	Mild eye irritation.
Mutagenicity	Mutation data reported for the anhydrous salt. No information available for the solution.

12. ECOLOGICAL INFORMATION

Persistence and degradability	Not Biodegradable.
Ecotoxicity effects	No information available. Ecotoxicity believed to be low.

13. DISPOSAL CONSIDERATIONS

Methods of disposal	In accordance with local and national regulations.
Other Information	

14. TRANSPORT INFORMATION

The cargo is non-hazardous goods and not regulated by IMO

15. REGULATORY INFORMATION

EC Regulations

EC Classification	Not applicable.
Label name	MAGNESIUM SULPHATE ANHYDROUS
<u>R-phrases(s)</u>	

S-phrases(s)

Symbols

16. OTHER INFORMATION

History

Date of issue	10/2/2015	Previous Revision	1
Revision Number	2	Date Previous SDS	8/02/2002
SDS prepared by	RZ		
SDS revised by	RZ		

To the best of our knowledge this document complies with the National Code of Practice for the



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preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)].

1. This material safety data sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the work place. Each user should read this material safety data sheet and consider the information in the context of how the product will be handled and used in the work place, including in conjunction with other products.

2. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact the Safe and Emergency Services Department, Star Grace Mining Co., Ltd on 86-411-62672268

3. Our responsibility for products sold, is subject to our terms and conditions, a copy of which is sent to our customers, and is also available on request.

4. Star Grace Mining Co., Ltd reserves the right to make change to material safety data sheet without notice.



For and on behalf of
STAR GRACE MINING CO., LIMITED

Menzhi chao
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Authorized Signature(s)