

DAZZLING®

Anhydrous Magnesium Sulfate · 无水硫酸镁

Issued by: Hubei Daheng Agricultural Science and Technology Development Co., Ltd.

出具单位: 湖北达亨农业科技发展有限公司

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HS code: 2833210000 (CN 10-digit commodity code)

TDS 技术数据表

Technical Data Sheet — Anhydrous Magnesium Sulfate

出具单位: 湖北达亨农业科技发展有限公司

统一社会信用代码: 91420683MA49F5KX5H

地址: 湖北省枣阳市环城鲍庄村九组

编制日期: 2026-09-13

CAS: 7487-88-9

分子式: $MgSO_4$

HS编码: 2833210000

产品描述

外观: 白色结晶粉末, 无臭; 易吸水潮解, 易溶于水; 用作肥料镁源、干燥剂、工业填料、饲料原料(饲料级另检)。本工业级不可直接作为人用食品、药品使用。

技术指标 (工业级GB/T26568-2011)

项目指标:

$MgSO_4$ 含量 $\geq 98.0\%$

水不溶物 $\leq 0.10\%$

氯化物(Cl^-) $\leq 0.2\%$

铁(Fe) $\leq 0.003\%$

包装、储存与运输

包装: 25kg、50kg内衬PE塑料编织袋, 1000kg吨包

储存: 干燥密闭库房, 严格防潮, 防止吸潮结块; 远离食品存放。

运输: 普通化工品, 防雨防潮, 避免包装破损。

用途

农业镁肥原料、工业干燥剂、印染、建材填料。

限制用途: 工业级不得直接用于人食品、医药。

Technical Data Sheet

English · Anhydrous Magnesium Sulfate

Technical Data Sheet — Anhydrous Magnesium Sulfate

Issued by: Hubei Daheng Agricultural Science and Technology Development Co., Ltd.

Unified Social Credit Code: 91420683MA49F5KX5H

Address: Group 9, Baozhuang Village, Huancheng, Zaoyang City, Hubei Province

Date: Sep 13, 2026

CAS-No.: 7487-88-9

Formula: MgSO_4

HS Code: 2833210000

Product Description

Appearance: White crystalline powder, odor-free, hygroscopic, freely soluble in water. Used as magnesium source for fertilizer, desiccant and industrial filler. Industrial grade, NOT for human food or pharmaceutical use.

Technical Specifications (Industrial Grade: GB/T26568-2011)

Item Specification

MgSO_4 Content $\geq 98.0\%$

Water Insoluble Matter $\leq 0.10\%$

Chloride (Cl^-) $\leq 0.2\%$

Iron (Fe) $\leq 0.003\%$

Packaging, Storage & Transportation

Packaging: 25 kg、50 kg PP woven bag with PE inner liner. 1000 kg ton bag

Storage: Sealed dry-ventilated warehouse, protect against moisture and caking. Keep away from food stuff.

Transportation: Non-hazardous general chemical goods, keep dry and avoid package damage.

Intended Use

Magnesium raw material for agriculture fertilizer, industrial desiccant, printing-dyeing auxiliary.

Restriction: Industrial grade, shall not be directly used for human food or medicine.

SDS 化学品安全技术说明书

Safety Data Sheet — Anhydrous Magnesium Sulfate (Chinese)

依据 GB/T 16483-2008、GB/T 17519-2013编制

供应商: 湖北达亨农业科技发展有限公司

编制日期: 2026-09-13

第1部分 化学品及企业标识

1.1 化学品: 无水硫酸镁

英文: Anhydrous Magnesium Sulfate

别名: 无水泻盐

CAS-No: 7487-88-9; **EC-No:** 231-298-2

分子式MgSO₄, 分子量120.37

1.2 企业信息

公司: 湖北达亨农业科技发展有限公司

地址: 湖北省枣阳市环城鲍庄村九组

联系电话: +86 138 1667 2110

电子邮箱: wangyazhong@dahengagro.com

1.3 推荐用途: 农业镁肥原料、工业干燥剂、印染助剂

限制用途: 本工业级禁止直接用于人食品、医药。

第2部分 危险性概述

2.1 GHS分类: 不属于危险化学品; 粉尘可造成轻微眼、呼吸道刺激。

2.2 GHS标签: 无象形图, 无警示词。

防范说明: P261避免吸入粉尘; P305+P351+P338入眼用水冲洗。

2.3 侵入途径: 吸入粉尘、食入、皮肤、眼睛接触。

健康危害: 粉尘轻微刺激眼与呼吸道; 大量误食可致腹泻肠胃不适; 正常工况低毒。

环境危害: 高浓度排放对水生生物有影响。

燃爆: 不燃; 高温分解释放硫氧化物烟气。

第3部分 成分/组成信息

无水硫酸镁 CAS: 7487-88-9, **EC号:** 231-198-2含量≥98.0%; 微量无机杂质。

第4部分 急救措施

4.1 吸入: 转移至新鲜空气, 不适就医。

4.2 皮肤接触: 脱去污染衣物, 清水冲洗。

4.3 眼睛接触: 大量流动清水冲洗至少15分钟, 就医。

4.4 食入: 大量饮水, 不要催吐, 必要时就医。

第5部分 消防措施

5.1 危险特性: 不燃。高温分解产生硫氧化物。

5.2 灭火介质: 水、干粉、泡沫, 根据周边火情选用。

5.3 消防员防护: 佩戴防尘/防毒呼吸防护。

第6部分 泄漏应急处理

6.1 个人防护: 防尘口罩、橡胶手套、护目镜。

6.2 泄漏处置: 收集物料回收; 避免大量冲入下水道, 防止水体盐污染。

第7部分 操作处置与储存

7.1 操作: 通风作业, 减少粉尘飞扬。

7.2 储存: 密封、干燥通风库房, 严防受潮吸潮结块; 与强钡盐、铅盐分开存放。

第8部分 接触控制/个体防护

8.1 职业接触限值: 无国家规定限值。

8.2 工程控制: 作业局部通风。

8.3 个体防护

呼吸: 粉尘环境佩戴防尘口罩;

手：橡胶防护手套；

眼：防护眼镜；

身体：普通工作服。

第9部分 理化特性

外观：白色结晶粉末

pH(50g/L,20°C)：5.0-8.0

分解温度：1124 °C

相对密度：2.66 g/cm³

水中溶解度：约300g/L (20°C)

吸湿性：易吸潮结块；不可燃。

第10部分 稳定性和反应性

10.1 稳定性：常温稳定，暴露空气易吸潮。

10.2 禁忌物：钡盐、铅盐、强碱碳酸盐。

10.3 危险分解产物：高温产生硫氧化物。

第11部分 毒理学信息

急性经口LD50（大鼠）> 2000 mg/kg，低毒；粉尘轻微刺激黏膜。

第12部分 生态学信息

高盐浓度对水生生物有影响；禁止大量排入河湖水体。

第13部分 废弃处置

残余产品：按当地固废法规处置；禁止直接排入下水道。

污染包装：清洗后回收利用。

第14部分 运输信息

UN编号：无，不属于危险货物

运输品名：无水硫酸镁

HS编码：2833210000

包装：25kg/50kg内衬PE编织袋；1000kg吨包，运输防潮防雨。

第15部分 法规信息

国内：普通无机化工品；出口遵守进口国法规。

第16部分 其他信息

编制日期：2026-09-13

免责声明：本SDS仅供外贸报关参考，产品指标以本厂检测报告为准。

Safety Data Sheet

English · Anhydrous Magnesium Sulfate

Safety Data Sheet — Anhydrous Magnesium Sulfate

Revision Date: Sep 13, 2026

Prepared in accordance with GB/T17519-2013, GB/T 16483-2008

SECTION 1: Identification

Product Name: Anhydrous Magnesium Sulfate

Synonym: Anhydrous Epsom Salt

CAS-No.: 7487-88-9; **EC-No.:** 231-298-2

Formula: MgSO₄;

Molecular Weight: 120.37

Supplier: Hubei Daheng Agricultural Science and Technology Development Co., Ltd.

Address: Group9, Baozhuang Village, Huancheng, Zaoyang City, Hubei, P.R.China

Tel: +86 138 1667 2110

E-mail: wangyazhong@dahengagro.com

Recommended use: Agricultural magnesium-fertilizer raw material, industrial desiccant, printing-dyeing auxiliary.

Restrictions: Industrial grade, not for human food or pharmaceutical purposes.

SECTION 2: Hazards identification

GHS Classification: Not classified as hazardous chemical.

No pictogram, no signal-word.

Precautionary statements:

P261 Avoid breathing dust.

P305+P351+P338 **If in eyes:** rinse with plenty of water.

Health hazard: Dust may cause mild irritation to eyes and respiratory tract. Large ingestion may cause diarrhea and gastrointestinal discomfort; low toxicity under normal handling.

Environmental hazard: High concentration may produce adverse effect on aquatic organisms.

Fire hazard: Non-combustible; sulfur-oxide fumes released upon strong heating.

SECTION 3: Composition / information on ingredients

Anhydrous Magnesium Sulfate, CAS 7487-88-9, ≥98.0%, trace inorganic impurities.

SECTION 4: First-aid measures

Inhalation: Remove victim to fresh air, seek medical advice if discomfort persists.

Skin contact: Remove contaminated clothing, rinse skin with plenty of clean water.

Eye contact: Rinse eyes continuously with flowing water for minimum 15 minutes, consult physician.

Ingestion: Drink large quantity of water. DO NOT induce vomiting, seek medical help if needed.

SECTION 5: Fire-fighting measures

Non-combustible. Suitable extinguishing media: water, dry powder, foam.

Hazardous decomposition gas: sulfur oxides. Fire-fighters shall wear respiratory protection.

SECTION 6: Accidental release measures

Personal protection: dust mask, rubber gloves, safety goggles.

Collect spilled solids for recovery. Prevent massive discharge into sewer and surface water.

SECTION 7: Handling and storage

Provide adequate ventilation to reduce dust.

Store in sealed, dry and ventilated warehouse; protect from moisture and caking. Keep apart from barium salts, lead salts and strong carbonate.

SECTION 8: Exposure controls / personal protection

No national occupational exposure limit available. Local exhaust ventilation at workplace.

PPE:

Respiratory: dust mask under dusty condition.

Hand: rubber protective gloves.

Eye: safety goggles.

Body: ordinary work clothes.

SECTION 9: Physical and chemical properties

Appearance: white crystalline powder

pH (50g/L,20°C): 5.0-8.0

Decomposition temperature: 1124 °C

Relative density: 2.66 g/cm³

Water-solubility: approx.300 g/L (20°C)

Hygroscopic: easy to absorb moisture; non-combustible.

SECTION 10: Stability and reactivity

Stable under ambient condition; absorbs moisture in open air.

Incompatible materials: barium salts, lead salts, strong carbonates.

Hazardous decomposition: sulfur oxides under high-temperature.

SECTION 11: Toxicological information

Acute oral LD50 (rat) > 2000 mg/kg; low toxicity. Dust may cause slight mucous-membrane irritation.

SECTION 12: Ecological information

High salinity is harmful to aquatic life. Prevent large-volume discharge into rivers and lakes.

SECTION 13: Disposal considerations

Dispose residual substance in accordance with local solid-waste regulations. Do not discharge directly to sewer.

Clean contaminated packaging for recycling.

SECTION 14: Transport information

UN-Number: Not applicable (non-dangerous goods)

Shipping name: Anhydrous Magnesium Sulfate

HS-Code: 2833210000

Packing: 25 kg/50kg woven bag with PE inner liner. 1000kg ton bag ,Keep dry in transit.

SECTION 15: Regulatory information

Regarded as ordinary inorganic chemical in P.R.China. Comply with importing-country local regulations for export.

SECTION 16: Other information

Revision date: Sep 13,2026

Disclaimer: This SDS is for customs & foreign-trade reference only. Actual product specifications subject to manufacturer's test report.

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Specification values are those of the factory technical data sheet and are subject to the certificate of analysis issued with each batch. HS commodity codes are quoted for guidance — confirm the applicable code for the declared product name and use with your customs broker.