

DAZZLING®

Macro-Element Water-Soluble Fertilizer 19-19-19 + 2MgO + TE · 大量元素水溶肥 (19-19-19)

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

Group 9, Baozhuang Village, Huancheng, Zaoyang City, Hubei Province, China

湖北省枣阳市环城鲍庄村九组

Tel +86 138 1667 2110 · wangyazhong@dahengagro.com

Contact: Yazhong Wang (王亚中)

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HS code: 3105100090 (as stated in the Chinese factory TDS — confirm with your broker)

TDS 技术数据表

Technical Data Sheet — Water Soluble NPK Fertilizer (19-19-19 + 2MgO + TE)

TDS 技术数据表

产品名称: 大量元素水溶肥

企业名称: 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: 13816672110

邮箱: wangyazhong@dahengagro.com

编制日期: 2026-09-13

CAS号: Not applicable

HS编码: 3105100090

产品介绍

本品为氮磷钾复合型水溶肥料, 含螯合中微量元素, 全水溶, 适用于滴灌、冲施、叶面喷施, 用于农作物营养补充。

执行标准: NY/T1107-2020

项目指标 (可根据客户需求定制)

总养分 (N+P₂O₅+K₂O) ≥57% 19-19-19+2MgO+TE

氮 (N) 19%

五氧化二磷 (P₂O₅) 19%

氧化钾 (K₂O) 19%

镁 (以氧化镁计) : 2%

螯合微量元素 EDTA螯合铁、锰、锌、铜、硼、钼

水不溶物 ≤1.0%

水分 ≤3.0%

pH值 (1: 250倍稀释) 3.0 – 9.0

缩二脲 ≤0.9%

重金属 符合出口限量标准

外观 白色/类白色结晶粉末

使用方法

滴灌、冲施、叶面喷施; 根据作物生长期及土壤肥力调整用量。

包装

20kgPE袋, 或按客户要求

储存

置于阴凉干燥通风处，避免雨淋、暴晒；远离食品、饲料。

保质期

24个月（未开封）

Technical Data Sheet

English · Water Soluble NPK Fertilizer (19-19-19 + 2MgO + TE)

Technical Data Sheet — Water Soluble NPK Fertilizer (19-19-19 + 2MgO + TE)

Product name: Water-soluble NPK fertilizer (19-19-19 + 2MgO + TE)

Brand: DAZZLING®

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

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

Tel: +86 138 1667 2110

E-mail: wangyazhong@dahengagro.com

CAS No.: Not applicable (mixture)

HS code: 3105100090

Date of issue: September 13, 2026

Product description: this product is a compound water-soluble NPK fertilizer containing chelated secondary and trace elements. Fully water-soluble; suitable for drip irrigation, soil drenching and foliar spray to supply nutrients to crops.

Technical specifications (NY/T 1107-2020)

Item: Specification (can be customized to the customer's requirement)

Total nutrients (N + P₂O₅ + K₂O): ≥ 57% — 19-19-19 + 2MgO + TE

Nitrogen (N): 19%

Phosphorus pentoxide (P₂O₅): 19%

Potassium oxide (K₂O): 19%

Magnesium (calculated as MgO): ≥ 2%

Chelated trace elements: EDTA-chelated Fe, Mn, Zn, Cu, B, Mo

Water-insoluble matter: ≤ 1.0%

Moisture: ≤ 3.0%

pH (1: 250 dilution): 3.0 – 9.0

Biuret: ≤ 0.9%

Heavy metals: within export limit standards

Appearance: white / off-white crystalline powder

Application: drip irrigation, soil drenching and foliar spray. Dosage depends on the crop growth stage and soil fertility.

Package: 20 kg PE bag, or to the buyer's specification.

Storage: store in a cool, dry, ventilated place. Keep away from rain and direct sunlight; keep separate from food and feed.

Shelf life: 24 months (unopened).

SDS 化学品安全技术说明书

Safety Data Sheet — Water Soluble NPK Fertilizer (19-19-19 + 2MgO + TE) (Chinese)

SDS 安全数据表

化学品及企业标识

化学品中文名称：大量元素水溶肥

CAS号：Not applicable

EC号：Not applicable

HS编码：3105100090

推荐用途：农业肥料，作物营养补充

限制用途：仅农业使用，禁止食用

企业名称：湖北达亨农业技术发展有限公司

地址：湖北省枣阳市环城鲍庄村九组

电话：13816672110

邮箱：wangyazhong@dahengagro.com

危险性概述

GHS分类：本产品不属于危险化学品，无GHS危险分类

侵入途径：吸入、皮肤接触、眼睛接触、误食

健康危害：大量粉尘吸入可刺激呼吸道；接触眼睛会产生轻微刺激；大量误食引发肠胃不适。

环境危害：正常使用下对环境无显著危害；不要直接排入水体。

成分/组成信息

中文名称

| 化学式

| CAS号

| EC号

| 含量

| 尿素

| $\text{CO}(\text{NH}_2)_2$

| 57-13-6

| 200-315-3

| 19%

| 硝酸钾

| KNO_3

| 7757-79-1

| 231-818-8

| 39.5%

| 磷酸一铵

| $\text{NH}_4\text{H}_2\text{PO}_4$

| 7722-76-1

| 231-764-5

| 34%

| 硫酸镁

| MgSO4

| 7487-88-9

| 231-298-2

| 6%

| EDTA螯合微量元素混合物

| 混合物

| Not applicable

| Not applicable

| < 2%

|

急救措施

吸入：转移至空气新鲜处，如不适就医。

皮肤接触：清水冲洗皮肤。

眼睛接触：大量清水持续冲洗至少15分钟，就医。

食入：不要催吐，饮用大量清水，立即就医。

消防措施

产品不可燃。 灭火剂：水、干粉、泡沫。

有害燃烧产物：高温分解会产生氮氧化物、氨类烟气。

消防人员防护：佩戴防尘口罩。

泄漏应急处理

个人防护：佩戴防尘口罩。

泄漏处理：收集散落物料，清扫回收，避免粉尘扬起；禁止直接冲入下水道。

环境防护：防止进入河流、池塘。

操作处置与储存

操作注意事项：避免产生粉尘；作业时佩戴防尘口罩。

储存条件：阴凉、干燥、通风库房；密封保存，远离食品、饲料，避免儿童接触。

接触控制/个体防护

职业接触限值：无。

呼吸防护：粉尘大时佩戴防尘口罩。

眼睛防护：建议护目镜。

皮肤防护：橡胶手套。

理化特性

外观：白色/类白色结晶粉末

气味：无特殊气味

pH (1: 250稀释)：3.0~9.0

溶解性：易溶于水

密度：约1.0~1.3 g/cm³

可燃性：不可燃

稳定性和反应性

稳定性：常温稳定。

禁忌物：强碱。

危险反应：与强碱接触会释放氨气。

毒理学信息

急性毒性：无该混合物完整毒理数据；原料低毒。

慢性毒性：正常使用无慢性危害。

生态学信息

生态毒性：合理施用对水生生物低毒；大量进入水体可造成富营养化。

生物降解性：无机盐，可自然循环。

废弃处置

废弃物：可回收利用；不可回收的按照当地法规处置，不要随意丢弃。

包装处置：包装袋回收处理。

运输信息

UN编号：无（非危货）

运输名称：大量元素水溶肥

危险类别：无

包装类别：无

运输注意事项：防雨、防潮，避免暴晒，不与食品同车运输。

法规信息

中国法规：本产品不属于危险化学品；肥料出口，按海关商检要求执行。

国际法规：遵循目的国当地肥料管理法规。

其他信息

本SDS基于现有资料编制，仅作为安全参考，使用者需根据实际工况评估风险。

编制日期：2026-9-13

Safety Data Sheet

English · Water Soluble NPK Fertilizer (19-19-19 + 2MgO + TE)

Safety Data Sheet — Water Soluble NPK Fertilizer (19-19-19 + 2MgO + TE)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Chemical name:** water-soluble NPK fertilizer (19-19-19 + 2MgO + TE)
1.2 CAS No.: Not applicable (mixture)
1.3 EC No.: Not applicable (mixture)
1.4 HS code: 3105100090
1.5 Recommended use: agricultural fertilizer for crop nutrition
1.6 Restrictions on use: agricultural use only; do not ingest.
1.7 Company: Hubei Daheng Agricultural Science and Technology Development Co., Ltd.
1.8 Address: Group 9, Baozhuang Village, Huancheng, Zaoyang City, Hubei Province, P.R. China
1.9 Tel: +86 138 1667 2110
1.11 E-mail: wangyazhong@dahengagro.com

SECTION 2: Hazards identification

GHS classification: this product is NOT a hazardous chemical. No GHS hazard class.

Routes of exposure: inhalation, skin contact, eye contact, ingestion.

Health hazards: dust may irritate the respiratory tract. Eye contact may cause slight irritation. Ingestion of a large quantity may cause gastrointestinal discomfort.

Environmental hazards: no significant hazard under normal use. Do not discharge directly into a water body.

SECTION 3: Composition / information on ingredients

- Urea:** CO(NH₂)₂ / 57-13-6 / 200-315-3 / 19%
Potassium nitrate: KNO₃ / 7757-79-1 / 231-818-8 / 39.5%
Monoammonium phosphate: NH₄H₂PO₄ / 7722-76-1 / 231-764-5 / 34%
Magnesium sulfate: MgSO₄ / 7487-88-9 / 231-298-2 / 6%
EDTA chelated trace elements: mixture / Not applicable / Not applicable / ≤ 2%

SECTION 4: First-aid measures

- 4.1 Inhalation:** move to fresh air. Seek medical attention if discomfort occurs.
4.2 Skin contact: rinse the skin with plenty of water.
4.3 Eye contact: flush the eyes with plenty of water for at least 15 minutes, then see a doctor.
4.4 Ingestion: do NOT induce vomiting. Drink plenty of clean water and get medical help immediately.

SECTION 5: Fire-fighting measures

- 5.1** The product is non-flammable. Extinguishing media: water, dry powder, foam.
5.2 Hazardous combustion products: thermal decomposition may produce nitrogen oxides and ammonia fumes.
5.3 Firefighter protection: wear a dust mask.

SECTION 6: Accidental release measures

- 6.1 Personal precautions:** wear a dust mask.
6.2 Spill handling: collect the spilled material, avoiding dust generation. Do not wash into a sewer.
6.3 Environmental protection: prevent entry into rivers and ponds.

SECTION 7: Handling and storage

- 7.1 Handling:** avoid dust formation. Wear a dust mask during handling.
7.2 Storage: cool, dry, ventilated warehouse. Keep sealed, away from food and feed. Keep out of reach of children.

SECTION 8: Exposure controls / personal protection

- 8.1** Occupational exposure limit: not available.
8.2 Respiratory protection: dust mask in dusty conditions.
8.3 Eye protection: safety goggles recommended.

8.4 Skin protection: rubber gloves.

SECTION 9: Physical and chemical properties

Appearance: white / off-white crystalline powder

Odor: odorless

pH (1: 250 dilution): 3.0 – 9.0

Solubility: freely soluble in water

Density: approx. 1.0 – 1.3 g/cm³

Flammability: non-flammable

SECTION 10: Stability and reactivity

10.1 Stability: stable at normal temperature.

10.2 Incompatible materials: strong alkali.

10.3 Hazardous reactions: contact with strong alkali may release ammonia gas.

SECTION 11: Toxicological information

Acute toxicity: no complete toxicity data for this mixture; the raw materials are of low toxicity.

Chronic toxicity: no chronic hazard under normal use.

SECTION 12: Ecological information

12.1 Ecotoxicity: low toxicity to aquatic organisms under proper use. Mass discharge may cause eutrophication.

12.2 Biodegradability: inorganic salt; returns to natural circulation.

SECTION 13: Disposal considerations

13.1 Waste: recycle where possible, otherwise dispose of in accordance with local regulations. Do not discard randomly.

13.2 Packaging disposal: recycle the packaging bags.

SECTION 14: Transport information

UN No.: none (not dangerous goods)

Proper shipping name: water-soluble NPK fertilizer

Hazard class: none

Packing group: none

Transport notes: keep rain-proof and moisture-proof; avoid direct sunlight. Do not transport together with food.

SECTION 15: Regulatory information

Chinese regulation: not classified as a hazardous chemical. Export is subject to customs commodity inspection.

International regulation: comply with the fertilizer regulations of the destination country.

SECTION 16: Other information

This SDS is prepared from the available data and is for safety reference only. Users must assess the risks according to their actual conditions.

Revision date: September 13, 2026

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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.