

大连星镁矿业有限公司

STAR GRACE MINING CO., LTD.

Add: 29-67, No. 929, Xinan Road, Shahekou District, Dalian, Liaoning, China

MATERIAL SAFETY DATA SHEET

Issue date: sep 12, 2022

Hazardous according to criteria of Work safe Regulations

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Supplier : Yunnan Xinlong Mineral Animal Feed Co., Ltd

Office Address: DAYING COUNTY, KUNMING CITY, YUNNAN PROVINCE, CHINA.

Tel: 0086-871-68832396

Fax: 0086-871-68832429

Product Details:

Product Name: Mono-Dicalcium Phosphate

Product use: Feed Additive

CAS: 7757-93-9 and 7758-23-8

Section 2: COMPOSITION/ INFORMATION ON INGREDIENTS

Substance Name	Specification
Total P	21% Min
Calcium	14% ~ 15%
F	0.18% Max
As	0.003% Max
Pb	0.003% Max
PH (10g/L solution)	3.5~4.5

Section 3: HAZARD IDENTIFICATION

European classification: This preparation is regulated according to 67/548/EEC and 1999/45/EC European Directives, their adaptations.

For human: Prolonged contact with the skin or eyes can cause irritation.

In case of large inhalation product dust can cause irritation of the respiratory tracts.

In the event of fire, the product can be decomposed and release toxic gases.

For the environment: Large scale or repeated discharge of the product into stagnant water can cause algae to proliferate.

Section 4: FIRST AID MEASURES

Inhalation: If the dust is inhaled, take the person out into the fresh air.

Skin contact: Wash with plenty of soap and water.

Eye contact: Thoroughly rinse with water keeping the eyes wide open Consult an eye

Specialist if irritation appears.

Swallowing: If the person is conscious, rinse the mouth, make him drink several glasses of water;

大连星镁矿业有限公司

STAR GRACE MINING CO., LTD.

Add: 29-67, No.929, Xinan Road, Shahekou District, Dalian, Liaoning, China

do not try to induce vomiting. Seek medical advice if the person still feels bad.

Section 5: FIRE FIGHTING MEASURES

Appropriate extinction methods:

Spray water, in large quantity

Not advised: Foams with organic emulsifier, sand, CO₂.

Particular risks in the event of fire:

Non combustible by decomposition may produce combustion of organic products.

Emission of harmful or toxic gases: refer to Section 10.

Special maintenance equipment:

Wearing individual breathing apparatus is strongly recommended.

Attached information: Avoid pouring fire water down the drains.

Protection of Firefighters: Do not stay in the dangerous zone without self-contained breathing equipment. In order to avoid skin contact, it is very necessary to wear special protective clothing and keep a safe distance.

Section 6: ACCIDENTAL RELEASE MEASURES

Individual precautions for spillage/ leakage:

If possible, avoid eye-contact.

Cleaning up / absorption: Scrape up the product with a shovel and put it in a container, it can always be used if the product is not contaminated for disposal.

Personnel Precautions:

Use personal protective equipment. Avoid inhalation of dusts. Ensure the supply of fresh air closed room. Keep unnecessary personnel away.

Environmental Precautions:

Prevent entering into waterways, sewers, basements or confined areas.

Methods for Clean Up:

Clean up affected area. Avoid generation of dusts. Sweep up or gather material and place in appropriate container for disposal.

Other Information: Not available

Section 7: HANDLING AND STORAGE

Handling:

Handle at a closed but ventilated workplace.

Worker should be the specially trained one and operate under the relevant regulations.

Reduce the dust formed during the production as much as possible.

Not allowed to be carried with acidic& alkaline stuff, especially food simultaneously.

Storage:

Store in a closed container, and keep away from incompatible materials.

Keep in a well-ventilated area.

Ensure bags tightly closed.

Keep away from food, drink and animal feeding stuffs.

There should be a spare container or bag in the store house for collecting the contents ran out.

大连星镁矿业有限公司

STAR GRACE MINING CO., LTD.

Add: 29-67, No.929, Xinan Road, Shahekou District, Dalian, Liaoning, China

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment:

Protective clothing should be used in the special working place, depending on concentration and quantity of the hazardous substance handled. The protective clothing resistant to chemicals should be ascertained with the respective supplier.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Filter for solid and liquid particles of harmful substances.

Eye/Face Protection: Wear safety glasses with side shields.

Hand Protection: Wear suitable gloves.

Skin and Body Protection: Wear suitable protective clothing.

General Hygiene Considerations:

Handle in accordance with good industrial hygiene and safety practice.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Granular

Color: white or off-white

Odor: odorless.

Melting Point: Not available.

Boiling Point: Not available.

Ignition temperature: Not available.

Density: 1.62 g/cm³

Section 10: STABILITY AND REACTIVITY

Stability: The product is stable under normal storage conditions.

Avoid pressurization and rise in temperature.

Incompatible materials: Alkaline and strong acids, reducing agents or catalysts (metallic powder, copper, zinc, and their alloys).

Further data: The mixture is slightly hygroscopic.

Section 11: TOXICOLOGY INFORMATION

Acute toxicity: Of the ingredient: Ammonium nitrate

Long term toxicity:

None of the main components is recorded on the IARC carcinogenic products lists.

Toxicological information:

If the dust is inhaled: Irritation of the respiratory tracts, cough.

In case of prolonged contact with skin: Possible irritation.

After eye contact: Possible irritation.

After ingestion: Possible pain in the oesophagus and stomach.

Other information: Not available

Section 12: ECOLOGICAL INFORMATION

Mobility: Nitrates, phosphates, chlorides, ammonium and potassium ions are absorbed by soil.

大连星镁矿业有限公司

STAR GRACE MINING CO., LTD.

Add: 29-67, No. 929, Xinan Road, Shahekou District, Dalian, Liaoning, China

Soluble chlorides and nitrates not absorbed change to aqueous phase

Degradability: The mixture is easily degradable by plants.

Bio accumulation: Not available

Eco-toxicity: The mixture is hardly toxic for water life. Large discharge of nitrates and phosphates into stagnant water can cause eutrophication.

Other information about ecology:

There is no risk of any ecological problems when appropriately handled and used.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:

This material and its container must be disposed of in a safe way. Dispose in accordance with all applicable regulations.

Section 14: TRANSPORTATION INFORMATION

Carried only when the packing is enough strong. Handle with care.

No hooking.

Not allowed to be carried with acidic & alkaline stuff, especially food simultaneously.

It should be kept out of sunshine and heat.

The goods are liable to be spoiled by damp or water in transit.

Section 15: REGULATORY INFORMATION

Regulations of Safety Management for Dangerous Chemical Goods (1987, issued by the State Council)

Rules for the Implementation concerning the safety management of Dangerous Chemical Goods (1992)

The provisions of safe use of chemicals in the workplace (1996)

This preparation is concerned by European laws; it is labeled according to 99/45/EC Directive and rules in force.

Symbol: O - Oxidizer;

R-Phrases: R8 Contact with combustible material may cause fire.

S-Phrases: S15 Keep away from heat.

Its main constituents are repeated in the European EINECS substances inventory.

Labeling in accordance with EC directives and adapted versions of them:

Regulation according to EC fertilizer directives

Section 16: OTHER INFORMATION

Disclaimer: The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.
