TRIMAGNESIUM PHOSPHATE

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Trimagnesium phosphate

Company: EPOCH MASTER GLOBAL BUSINESS (JIANGSU) INC.

Address: RM.3-93,TENGFEI BUILDING,NO.88 JIANGMIAO RD., RESEARCH AND INNOVATION PARK,NANJING ZONE, (JIANGSU) PILOT FREE TRADE ZONE, CHINA

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms Magnesium phosphate Tribasic

Formula Mg3(PO4)2 · 5H2O

Molecular Weight 262.86 g/mol

|  |  |  |  |
| --- | --- | --- | --- |
| CAS-No | EC-No | Index-No | Concentration |
| Phosphoric acid, magnesium salt | | | |
| 7757-87-1 | 231-824-0 |  |  |

3. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards

No known OSHA hazards

HMIS Classification

Health Hazard: 0

Flammability: 0

Physical hazards: 0

Health Hazard 0

Fire 0

Reactivity Hazard 0

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Ingestion May be harmful if swallowed.

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 not applicable

Ignition temperature no data available

Suitable extinguishing media

Foggy water, sand

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

1. 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. Normal

measures for preventive fire protection.

Storage

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

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

For prolonged or repeated contact use protective gloves.

Eye protection

Safety glasses

Hygiene measures

General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Storage stability

Stable under recommended storage conditions

Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Oxides of

phosphorus, Magnesium oxid

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Oxides of

phosphorus, Magnesium oxide

1. TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1%

is identified as No component of this product present at levels greater than

or equal to 0.1% is identified as

ACGIH: No component of this product present at levels greater than or equal to

0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to

0.1% is identified as a known or anticipated carcinogen by NTP.

NTP: No component of this product present at levels greater than or equal to

0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have

not been thoroughly investigated.

Potential Health Effects

Potential Health Effects May be harmful if inhaled. May cause respiratory

tract irritation.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May be harmful if absorbed through skin. May cause skin irritation.

Ingestion May be harmful if swallowed.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

no data available

Ecotoxicity effects

no data available

Further information on ecology

no data available

13. DISPOSAL CONSIDERATIONS

Product

Observe all federal, state, and local environmental regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards

No known OSHA hazards

DSL Status

This product contains the following components listed on the Canadian NDSL list. All other

components are on the Canadian DSL list.

Phosphoric acid, magnesium salt

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA

Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known

CAS numbers that exceed the threshold (De Minimis) reporting levels established

by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

CAS-No.

Phosphoric acid, magnesium salt 7757-87-1

New Jersey Right To Know

Components

CAS-No.

Phosphoric acid, magnesium salt 7757-87-1

California Prop. 65 Components

This product does not contain any chemicals known to State of California to

cause cancer, birth, or any other reproductive defects.

16. OTHER INFORMATION

Further information

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only.

The above information is believed to be correct but does not purport to be all inclusive and shall be

used only as a guide. The information in this document is based on the present state of our

knowledge and is applicable to the product with regard to appropriate safety precautions. It does

not represent any guarantee of the properties of the product. Sigma-Aldrich Co., shall not be held

liable for any damage resulting from handling or from contact with the above product.

