

Safety Data Sheet

Release 1.0
Revision 02/10/2021
Date of issue 05/29/2021



page 1 of 6

1 Identification of the substance

Identification of the substance

Identification of the substance Triammonium phosphate trihydrate

Additional identification

Biosynth catalog no. FT64079

REACH No. A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a registration.

Use of the substance/preparation

Identified uses

Restriction on use not for food or drug use, for laboratory use only

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Emergency Number

Phone Office hours: +44 1635 578444

2 Hazards identification

Health Hazards

acute toxicity (Category 4)
acute toxicity (Category 4)
Skin corrosion/irritation (Category 2)
Serious eye damage/eye irritation (Category 2)
acute toxicity (Category 4)
Single exposure: Respiratory tract irritation (Category 3)

Environmental Hazards

not classified

Physical Hazards

not classified

Possible Hazards (Summary)

GHS Labeling

Regulatory List
EC1272/08 Regulation (EC) 1272/2008 (GHS/CLP)

Symbol
GHS07 exclamation mark

Pictogram*Signal Word*

Warning Warning

Hazard Statement

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary Statement

P270 Do no eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 IF SWALLOWED:
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P304 IF INHALED:
P340 Remove casualty to fresh air and keep at rest in a position comfortable for breathing.
P305 IF IN EYES:
P351 Rinse cautiously with water for several minutes.
P338 Remove contact lenses, if present and easy to do. Continue rinsing.
P403 Store in a well-ventilated place.
P233 Keep container tightly closed.
P501 Dispose of contents / container in accordance with local / regional / national / international regulations.

Additional Information

Caution! To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated.

3 Composition/information on ingredients**Substance related information**

Substance name Triammonium phosphate trihydrate
Synonymes
Cas No. [25447-33-0]
Formula (NH₄)₃PO₄·3(H₂O)

4 First aid measures**First Aid: Eye**

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

First Aid: Skin

Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

First Aid: Ingestion

Wash out mouth with water provided person is conscious. Call a physician.

First Aid: Inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

Hints for Physician: Treatment

Treat symptomatically.

5 Firefighting measures**Extinguishing Media****Suitable**

foam, dry extinguishing powder, carbon dioxide (CO₂), water spray jet

Hazards During Fire-Fighting

toxic fumes

Protective Equipment for Fire-Fighting

Wear a self-contained breathing apparatus and chemical protective clothing.

Fire-Fighting/Further Advice

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

6 Accidental release measures**Personal Precautions**

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

Environmental Precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

Methods for Cleaning or Taking Up

not available

Further Accidental Release Measures

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

7 Handling and storage**Handling****Handling advice**

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

Storage**Storage temperature**

store at 10°C - 25°C

Storage condition

keep dry

Storage Requirements

Keep away from incompatible substances. Keep container tightly closed when not in use.

8 Exposure controls/personal protection

Exposure controls**Industrial Hygiene**

Mechanical exhaust required. Safety shower and eye shower.

Personal Protective Equipment**Respiratory Protection**

Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

Hand Protection

Wear compatible chemical-resistant gloves to prevent skin exposure.

Eye Protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

Body Protection

Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

Advice on Safe Handling

Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

9 Physical and chemical properties**Form**

powder

Molar Mass

203.13 g/mol

10 Stability and reactivity**Conditions to Avoid**

incompatible materials

Substances to Avoid

strong oxidizers

Decomposition Products

nitrogen oxides (NO_x), phosphorus oxides

11 Toxicological information**Other Relevant Toxicity Information**

We are not aware of any toxicology data.

12 Ecological Information**Biodegradation**

no data available

Bioaccumulation

no data available

Distribution in Environment

no data available

13 Disposal considerations

Advice on Disposal and Packaging*Advice on Disposal*

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and Exhaust air. Dispose of waste according to laws applicable.

Advice on Packaging

not available

14 Transport information**Road Transport (ADR/GGVS)**

not regulated

Air Transport (IATA)

not regulated

15 Other regulations**Other Regulations**

not available

Component	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
Triammonium phosphate trihydrate	-----	-----	-----

16 Additional information

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