

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name: D-Fructose 1-phosphate disodium salt

CAS No.: 71662-09-4

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances. For scientific research and development only. Not for use in humans or animals.

1.3 Details of the supplier of the safety data sheet

Brand: MuseChem

Company: ArrakisTek Inc.

1.4 Emergency telephone number

Telephone: +1-862-686-3898

Fax: +1-323-978-5598

E-mail address: info@musechem.com

Revision date: 06/01/2018

2. HAZARDS IDENTIFICATION

Health Hazards

Skin corrosion/irritation (Category 2)

Serious eye damage/eye irritation (Category 2)

Single exposure: Respiratory tract irritation (Category 3)

Environmental Hazards

not classified

Physical Hazards

not classified

Possible Hazards (Summary)

GHS Labeling

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

Symbol exclamation mark

GHS07

Pictogram



Signal word: Warning

Hazard statement(s)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302 IF ON SKIN:

P352 Wash with plenty of soap and water.

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

Substances

Substance name D-Fructose 1-phosphate disodium salt

Synonymes

Cas No. 71662-09-4

Formula $C_6H_{11}Na_2O_9P$

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. FIRE-FIGHTING 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 -15°C

Storage condition

keep under inert gas: Nitrogen

Storage Requirements

Warm to Room Temperature before use. Keep away from incompatible substances. Keep container tightly closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controles

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

Color

white

Form

powder

Molar Mass

304.1 g/mol

10. STABILITY AND REACTIVITY

Conditions to Avoid

incompatible materials

Substances to Avoid

strong oxidizers

Decomposition Products

nitrogen oxides (NO_x), phosphorus oxides, carbon dioxide (CO₂), carbon monoxide

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. REGULATORY INFORMATION

Other Regulations

not available

16. OTHER INFORMATION

Further information

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