

SAFETY DATA SHEET

Date issued : 06/10/2024

SDS number : Life PH PERFECT - Canada

Life PH PERFECT

1. Identification

Product identifier: Life PH PERFECT**Relevant identified uses:** Phosphate Based Buffer**Distributor**

Alliance Trading, Inc.
109 North Park Blvd., 4th Floor
Covington, LA 70433

Emergency telephone number (24 hour)

24 Hour Emergency Phone Number: 1-888-670-7665

2. Hazard identification

Label elements

This product is not classified as hazardous according to the Globally Harmonized System (GHS)

Precautionary statement(s)**Supplemental label elements:**

8219D4CW: This product is not classified as hazardous according to the Globally Harmonized System.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Monosodium Phosphate Anyhydrous	< 10	10049-21-5

Comments: Product is a mixture of ingredient listed above blended with non-hazardous ingredients. The identity and exact percentages are being withheld as a trade secret.

4. First-aid measures

Eye: Remove contacts, if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Skin: Wash with soap and water. Get medical attention if irritation develops or persists.

Ingestion: Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.

Inhalation: Supply fresh air; consult a doctor in case of complaints.

Most important symptoms and effects, both acute and delayed

Eye: Slight irritant effect on eyes.

Skin: Slight irritant effect on skin and mucous membranes.

Ingestion: Gastric or intestinal disorders when ingested. Nausea in case of ingestion.

5. Fire-fighting measures

General hazard: Formation of toxic gases is possible during heating or in case of fire.

Suitable extinguishing media: Use fire fighting measures that suit the environment.

Fire fighting equipment: Firefighters should wear self-contained respiratory protective device and full protective suit.

6. Accidental release measures

General procedures: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the collected material according to regulations.

Release notes: Do not allow to enter sewers/surface or ground water.

Special protective equipment: Ensure adequate ventilation. For large spills wear protective clothing. Use respiratory protective device against the effects of fumes/dust/aerosol.

7. Handling and storage

SAFETY DATA SHEET

Date issued : 06/10/2024

SDS number : Life PH PERFECT - Canada

Life PH PERFECT

Precautions for safe handling: Prevent formation of aerosols.

Conditions for safe storage: Avoid storage near extreme heat, ignition sources or open flame. Store away from foodstuffs. Store away from oxidizing agents. Store in cool, dry conditions in well sealed receptacles.

8. Exposure controls/personal protection

Exposure controls

Control parameters				
		Occupational exposure limit values		
Chemical name	Type		ppm	mg/m ³
Monosodium Phosphate Anhydrous	OSHA PEL	TWA	[1]	[1]
	ACGIH TLV	TWA	[2]	[2]

Footnotes:

- 15 mg/m³ (total dust) 8-hr TWA; 5 mg/m³ (respirable) 8-hr TWA for Particulates Not Otherwise Regulated
- 10 mg/m³ (Inhalable) 8 hr TWA; 3 mg/m³ (respirable) 8 hr TWA for Particulates Not Otherwise Classified

Individual protection measures, such as personal protective equipment

Eye / face protection: Safety glasses recommended.

Skin protection - hand protection: Not required under normal conditions of use. Wear protective gloves to handle contents of damaged or leaking units. Glove material has to be impermeable and resistant to the product.

Respiratory protection: Not required under normal conditions of use. Use suitable respiratory protective device when aerosol or mist is formed. For spills, respiratory protection may be advisable.

Skin protection - other: Not required under normal conditions of use. Protection may be required for spills.

Other use precautions: Keep away from foodstuffs, beverages and feed. Do not inhale gases/fumes/aerosols. Avoid contact with eyes. Avoid close or long term contact with skin.

9. Physical and chemical properties

Physical state: Liquid

Appearance: Blue liquid.

pH: 7.92

Flash point: Will not burn.

Lower explosion limit / flammability limit: 0

Upper explosion limit / flammability limit: 0

Relative density: 1

Solubility: Fully miscible.

10. Stability and reactivity

Chemical stability: Stable.

Conditions to avoid: Store away from oxidizing materials.

Possibility of hazardous reactions: Toxic fumes may be released if heated above the decomposition point.

Hazardous decomposition products: Phosphorous oxides.

Incompatible materials: None known.

11. Toxicological information

Acute toxicity

Notes: Monosodium Phosphate Anhydrous:

SAFETY DATA SHEET

Date issued : 06/10/2024

SDS number : Life PH PERFECT - Canada

Life PH PERFECT

LD50 Oral 7100 mg/kg (rat) Practically non-toxic.
 LD50 Dermal 7940 mg/kg (rabbit); practically non-toxic
 Eye Irritation 1.3/110.0 (rabbit); practically nonirritating.

Dipotassium Phosphate Anhydrous:
 LD50 Oral greater than 500 mg/kg (rat) -No more than slightly toxic
 LD50 Dermal greater than 300 mg/kg (rabbit); mildly irritating in unwashed eyes
 Eye Irritation (rabbit); mildly irritating in unwashed eyes
 Eye irritation (rabbit; non-irritating in washed eyes

Respiratory or skin sensitization: Not considered to be a contact sensitizer.

Carcinogenicity

IARC: Not classified as a carcinogen.

NTP: Components of this product are not listed as a carcinogen by the NTP.

OSHA: Components of this product are not listed as a carcinogen by OSHA.

Comments: When used and handled according to specifications, the product does not have any harmful effects according to experience and the information provided.

12. Ecological information**Aquatic toxicity, both acute and chronic**

Notes: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Comments: Monosodium Phosphate Anhydrous:

48-hr EC50 Daphnia Magna: greater than 1000 mg/L; Practically nontoxic

96-hr LC50 Bluegill sunfish; 6400 mg/L; Practically nontoxic

96-hr LC50 Rainbow trout; 3200 mg/L; Practically nontoxic

Dipotassium Phosphate Anhydrous:

48-hr EC50 Daphnia magna: greater than 100 mg/L; Practically nontoxic

96-hr LC50 Myside Shrimp; greater than 1000 mg/L; Practically nontoxic

96-hr LC50 Rainbow trout; greater than 100 mg/L; Practically nontoxic

13. Disposal considerations

Disposal methods: Dispose in accordance with all applicable regulations.

Product disposal: Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Not Regulated.

15. Regulatory information**UNITED STATES**

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Not listed.

313 reportable ingredients: No reportable chemicals.

CERCLA Hazardous Substances and Reportable Quantities (RQ)

CERCLA rq: Not Applicable

EPA

SAFETY DATA SHEET

Date issued : 06/10/2024
SDS number : Life PH PERFECT - Canada

Life PH PERFECT

EPA rq ingredient: Not applicable

TSCA (The Toxic Substances Control Act)

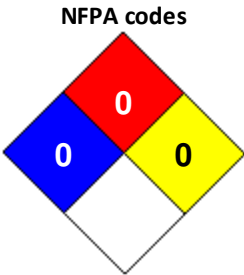
TSCA Status: All components are listed.

California Proposition 65: There are no chemicals present known to the State of California to cause cancer.

16. Other information

Date Prepared: 06/10/2024

HMIS rating		
Health	<input type="text"/>	0
Flammability	<input type="text"/>	0
Physical hazard	<input type="text"/>	0
Personal protection	<input type="text"/>	



Manufacturer disclaimer: Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).