

SECTION 1 Identification

Product Name: *PlasmaCAL Single element standard for ICPOES/ICPMS*
Matrix: Water
 containing the following:
 0 - 1000 µg/ml: Phosphorous (P)

Catalogue Number: 140-050-150/-151/-155

Recommended Use: Laboratory Chemical
 Instrument Calibration. This product is intended for laboratory testing. This product shall be used by trained personnel only.

Restriction on use: Do not use this product outside of a laboratory. This product should not be used by untrained personnel.

Manufacturer/ Supplier:

Canada/ International 21 800 Clark-Graham Baie d'Urfé, (Montreal) Québec, H9X 4B6 Canada	USA 3rd Party Distribution Center 348 Route 11, Champlain, N.Y. 12919-4816 USA	France 12 Ave du Québec Bât Iris, 91140 Villebon sur Yvette, France	Germany Alte Marktoberdorf er Straße 14, 87616 Marktoberdorf Germany
Phone: +1 (800) 361-6820 Fax: +1 (800) 253-5549	Phone: +1 (800) 361-6820 Fax: +1 (800) 253-5549	Phone: +33 (0) 1 69 18 71 17 Fax: +33 (0) 1 60 92 05 67	Phone: +49 (0) 8342-89560-61 Fax: +49 (0) 8342-89560-69

CORPORATE: Phone: +1 (514) 457-0701 | Fax: +1 (514) 457-4499
www.scpscience.com | sales@scpscience.com

In the event of a transport emergency call Chemtrec (24 h): 1-703-741-5970 (CHEMTREC)
 In the event of medical emergency call your local poison center or equivalent.

SECTION 2 Hazards Identification

Emergency Overview

Harmonized Classification - Annex VI of Regulation (EC) No 1272/2008 (CLP Regulation)

Classification: Not Classified

Symbols:



Signal Word: Not applicable

Hazard Statements: Not applicable

Precautionary Statements: Not applicable

Other Hazards: No information found.

SECTION 3 Composition and Information on Ingredients

CAS No.	Chemical Name	Percentage	Classification ((EC) No 1272/2008)
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7722-76-1	Ammonium Dihydrogen Phosphate	0.37%	Not Classified
7732-18-5	Water	95-100%	Not Classified

SECTION 4 First Aid Measures

In case of contact:

Eye:	Flush eyes with plenty of water for at least 15 minutes, holding the eyelids open. Neutral saline may be used as soon as it is available. Do NOT interrupt flushing. If irritation persists, repeat flushing. Get medical aid if necessary.
Skin:	Flush skin with plenty of water for at least 30 minutes while removing contaminated clothing and shoes. Do NOT interrupt flushing. Get medical aid if necessary.
Ingestion:	For a precaution: Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If symptoms develop get medical aid.
Inhalation:	Take proper precautions to ensure your own safety before attempting rescue (e.g., wear appropriate protective equipment). If breathing, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Most important Symptoms:	No information found.
Notes to Physician/Doctor:	Treat symptomatically and supportively.

SECTION 5 Fire-fighting Measures

Fire Hazard Summary:	Product does not burn. Firefighters should wear self-contained respirator and full protective gear. During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion.
Extinguishing Media:	Whichever is most appropriate for the surrounding fire. Use flooding quantities of water spray or fog.
Extinguishing Media to be Avoided:	No information found.
Combustion and Thermal Decomposition Products:	No information found.
Special protective equipment and precautions for fire-fighters:	Firefighters should wear self-contained respirator and full protective gear.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION

Health:	0
Flammability:	0
Reactivity:	0
Special Hazard:	

SECTION 6 Accidental Release Measures

Spill Precautions:	Personal precautions: Use personal protective equipment. Protective equipment and emergency procedures: Ensure adequate ventilation. Evacuate personnel to safe areas.
Clean-up:	SMALL SPILLS: Soak up spill with absorbent material which does not react with spilled chemical. Put material in suitable, covered, labeled containers. Flush area with large quantities of water. Contaminated absorbent material will pose the same hazards as the spilled product. LARGE SPILLS: Evacuate area. Contact fire and emergency services and supplier for advice.

SECTION 7

Handling and Storage

Handling:	Use only with adequate ventilation and/or personal protective equipment. Wash thoroughly after using. Avoid contact with skin and eyes. Avoid generating vapors or mists. Avoid contact with all incompatible materials.
Storage:	Store in a tightly closed container in a cool, well ventilated and dry area. Store at room temperature, unless stated otherwise. Store away from incompatible materials, heated areas, sparks, and flames. Do not store in metal or glass containers.
Additional Information:	The mixture is intended for use in a laboratory. The mixture as supplied is stable under normal laboratory conditions.

SECTION 8

Exposure Controls and Personal Protection

Exposure guidelines

NIOSH:

ACGIH:

OSHA:

Preventive Measures:

Eye / Face protection:

Eye-wash station in proximity. Avoid contact with skin and eyes.

Skin protection:

Wear suitable clothing and gloves. Refer to OSHA's protection regulations in 29 CFR 1910.133 or European Standard EN166.

Inhalation / Ventilation:

Use in a chemical fume hood.

Personal Hygiene:

Do not eat or drink in work areas. Wash hands thoroughly after handling this material. Maintain good housekeeping. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Appropriate Engineering Controls:

Use laboratory fumehoods in case of insufficient ventilation.

SECTION 9

Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Clear / Colorless
Odor	Odorless
Property Values	
pH VALUE	No data available
Melting Point/Range	No data available
Boiling Point/Range	c. 100 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Density	c. 1.000 g/ml @ 23.0 °C
Specific Gravity	No data available
Water Solubility	Soluble
Partition coefficient: n-octanol/water	No data available
Auto ignition Temperature	No data available

Decomposition Temperature No data available
Viscosity No data available

SECTION 10 **Stability and Reactivity**

Reactivity: No information found.
Chemical stability: Stable at room temperature and conditions of use.
Incompatible Materials: No information found.
Conditions to avoid: High temperatures.
Hazardous Decomposition Products: No information found.
Hazardous Polymerization: None reported.

SECTION 11 **Toxicological Information**

Potential Health Effects

Eye: May cause irritation of the eyes.
Skin: May cause irritation of the skin.
Ingestion: May cause irritation of the digestive tract.
Inhalation: None reported.

Effects of Short-Term (Acute) Exposure

LD50/LC50: LD50: ---
LC50: ---

Effects of Long-Term (Chronic) Exposure

Respiratory or skin sensitization: No information found.

Germ Cell Mutagenicity: No component of this product at levels greater than 0.1% is classified as a mutagen.

Reproductive Toxicity: No component of this product at levels greater than 0.1% is classified for reproductive toxicity.

STOT- Single exposure No definitive information found for target organs toxicity, single exposure.

STOT- Repeated exposure No definitive information found for target organs toxicity, repeated exposure.

Aspiration Hazard: No information found.

Carcinogenicity: Not listed as a carcinogen by NTP, or CA Prop 65.
Component(s) of this preparation listed in the National Toxicology Program ARC (12th Report on carcinogens): None.
Component(s) of this preparation appearing in the list (June 22, 2012) of chemicals known to the state of California to cause cancer or reproductive toxicity (California Proposition 65): None.
No evidence of cancer has been demonstrated for this product.

Signs and symptoms of exposure:

Eye: May cause irritation of the eyes.
Skin: May cause irritation of the skin.
Ingestion: May cause irritation of the digestive tract.
Inhalation: None reported.

SECTION 12 **Ecological Information**

Eco- toxicity: no information found for this preparation.

Mobility in soil: no information found for this preparation.
Persistence and degradability: no information found for this preparation.
Bioaccumulative potential: no information found for this preparation.

SECTION 13

Disposal Considerations

Product disposal:

The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material, run off and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional and local authority requirements. Contact a licensed professional waste disposal service to dispose of this material.

Review federal, provincial and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions.

Contaminated packaging:

Dispose of as unused product.

SECTION 14

Transport Information

IMDG (sea):

Not Regulated As A Hazardous Material Or Dangerous Goods For Transportation By This Agency.

UN-Number:

Class:

Packing group:

Proper shipping name:

Marine pollutant:

ADR/DOT (road):

Not Regulated As A Hazardous Material Or Dangerous Goods For Transportation By This Agency.

UN-Number:

Class:

Packing group:

Proper shipping name:

Marine pollutant:

ICAO/IATA (air):

Not Regulated As A Hazardous Material Or Dangerous Goods For Transportation By This Agency.

UN-Number:

Class:

Packing group:

Proper shipping name:

Marine pollutant:

SECTION 15

Regulatory Information

US Federal:

TSCA:

Listed on the TSCA Inventory (Hydrochloric Acid).

US State:

California Prop. 65:

See Section 11.

Canada

WHMIS Classifications:

Not classified

EU

Classifications: Not classified
Risk Phrase(s): Not classified

SECTION 16 **Other Information**

Revised: February 23, 2023
Date of previous revision(s): October 12, 2021

Hazard Indications (H) Regulation (EC) No 1272/2008 quoted in Sections 3.

Not Classified

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