



MASTER SAFETY DATA SHEET

NavXport Worldwide LLP

Product: Calcium Phospholactate (Calcium Lactophosphate)

SECTION 1: Product and Company Identification

Product Name	Calcium Phospholactate or Calcium Lactophosphate
CAS Number	8048-90-6
EINECS EC Code	NA
Relevant Uses	Laboratory chemicals, Manufacture of substances
Company	NAVXPORT WORLDWIDE NMR-A-47, New Minal, Govindpura Industrial Area, Bhopal - 462023, MP, INDIA
Emergency Contact	+91 96329 45556 +91 93138 27100
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SECTION 2: Hazards Identification

GHS Classification: Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008 or 29 CFR 1910.

Label Elements: None

Signal Word: None

Hazards not otherwise classified (HNOC):

- May cause mild skin irritation.
- May cause mild eye irritation.

Precautionary Statements:

- P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
- P262: Do not get in eyes, on skin, or on clothing.
- P281: Use personal protective equipment as required.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

- P337+P313: If eye irritation persists get medical advice/attention.

SECTION 3: Composition / Information on Ingredients

Component	CAS-No.	EC-No.
Calcium Phospholactate / Calcium Lactophosphate	8048-90-6	NA

SECTION 4: First Aid Measures

Always seek medical advice after the first aid treatment.

Skin Contact	Rinse with water. Soap may be used. Seek Medical Aid.
Eye Contact	Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion	If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.
Notes to Physician	Treat symptomatically.

SECTION 5: Fire and Explosion Data

Flammability: Non-flammable.

Products of Combustion: Calcium oxide, Phosphorous oxides, Fumes and Oxides of carbon.

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Media Not Recommended: Avoid using solid water jet as it may scatter the fire.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus. At high temperatures, it may produce toxic or irritating fumes. Fire-extinguishing work should be done from windward.

SECTION 6: Accidental Release Measures

Personal Precautions: Avoid breathing dust/fumes. Use individual protective equipment (waterproof boots, suitable clothing, safety glasses). Restrict unprotected personnel.

Environmental Precautions: Do not let the product enter drains, soil, or water sources.

Cleanup Procedures:

Small Spill: Use tools to put spilled solid in a waste disposal container. Spread water on contaminated surface.

Large Spill: Avoid dust formation. Contain material. Cover with inert, non-combustible absorbent (sand, earth). Shovel into a waste container.

SECTION 7: Handling and Storage

Handling: Apply good manufacturing practices. Ensure proper ventilation. Wash thoroughly after handling. Avoid contact with skin and eyes. Minimize dust generation.

Storage: Store in a cool, dry, and ventilated area away from heat and sunlight in tightly closed original containers. Refrigerated storage recommended. Do not store with strong oxidizing agents, bases, or acids.

Additional Handling and Storage Guidance

Use clean and dry packaging materials suitable for food and chemical raw material handling. Reseal partially used containers promptly. During internal transport, avoid rough handling, puncture of bags, and conditions that may promote dust formation or moisture uptake.

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls: Use process enclosures or local exhaust ventilation to keep airborne levels below recommended limits. Maintain eye wash fountains and quick-drench facilities.

PPE:

- **Respirators:** NIOSH approved particulate respirator if dust/mist is apparent.
- **Skin Protection:** Wear protective gloves and clean body-covering clothing.
- **Eye Protection:** Use chemical safety goggles and/or full face shield.

SECTION 9: Physical and Chemical Properties

Appearance	White to yellowish crystalline or amorphous powder
Odor	Odorless
pH Overall pH (5% solution)	3.0 – 6.0 6.0 - 8.0
Odor	Odorless
Bulk Density	0.40 – 0.60 g/cm ³
Decomposition Temp	> 200°C
Explosive Properties	Not explosive; No fire hazard
Flash Point	NA

SECTION 10: Stability and Reactivity

Stability: Stable under cool conditions.

Conditions to Avoid: Incompatible materials, heat, and light.

Incompatibility: Strong oxidizing agents, bases, amines, reducing agents, acids, acid anhydrides.

Polymerization: Will not occur.

SECTION 11: Toxicological Information

Acute Toxicity: No information found.

Carcinogenicity: Not a reported carcinogen by IARC, NTP, ACGIH, or OSHA.

SECTION 12: Ecological Information

Ecotoxicity: Not considered harmful to aquatic organisms. Does not cause long-term adverse effects in the environment.

Persistence and Degradability: Expected to be readily biodegradable in soil and water.

Ozone Layer Safety: This product does not contain any substances known to deplete the ozone layer as defined by the Montreal Protocol.

SECTION 13: Disposal Considerations

Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

14. TRANSPORT INFORMATION

Based on the available product data and current transport classification practice, this material is not classified as dangerous goods for transport by road, rail, sea, or air when shipped in properly closed containers or bags under normal conditions of carriage.

14.1 UN Number	Not regulated / Not assigned
14.2 UN Proper Shipping Name	Not regulated as dangerous goods
14.3 Transport Hazard Class(es)	Not assigned
14.4 Packing Group	Not assigned
14.5 Environmental Hazards	Not classified as a marine pollutant; not known to be environmentally hazardous for transport purposes
14.6 Special Precautions for User	Transport in tightly closed bags/containers. Protect from moisture, contamination, and physical damage. Avoid dust generation during loading and unloading. Keep away from incompatible materials and strong odors.
14.7 Maritime Transport in Bulk	Not intended for transport in bulk according to IMO instruments

Mode	Regulatory Status	Remarks
ADR / RID	Not regulated	Not classified as dangerous goods for road or rail transport
IMDG	Not regulated	Not classified as dangerous goods for sea transport
IATA	Not regulated	Not classified as dangerous goods for air transport

Mode	Regulatory Status	Remarks
DOT (USA)	Not regulated	Not classified as hazardous material for transport

Transport note: Product should be carried in clean, dry, properly labeled packaging. Packages should be secured to prevent tearing, leakage of powder, or exposure to moisture during transit.

SECTION 15: Regulatory Information

TSCA (USA): All components are listed on the Toxic Substances Control Act Inventory.

DSL (Canada): Listed on the Domestic Substances List (DSL).

EU Regulation: Compliant with Regulation (EC) No 1907/2006 (REACH).

California Prop 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.

SECTION 16: Other Information

Disclaimer: This MSDS is provided in good faith but without representation as to accuracy. It is intended as a guide for precautionary handling by trained persons. NavXport Worldwide shall not be held liable for any damages resulting from use.