



SECTION 1. PRODUCT IDENTIFICATION

1.1 TRADE NAME (AS LABELED):

Monocalcium Phosphate Monohydrate Powder

SYNONYMS:

Calcium Phosphate, Monobasic, Monohydrate; MCP

CAS#:

7758-23-8

EC NUMBER:

231-837-1

REACH REGISTRATION #:

01-2119490065-39-0016

1.2 PRODUCT USE:

Ingredient in bread improvers. Leavening acid for baking powder, self-rising flour, pancake flour, and prepared mixes crackers. An acidulant and buffer in dry beverage mixes

MANUFACTURER'S NAME:

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DATE OF PRIOR REVISION:

April 04, 2020

DATE OF LATEST REVISION:

September 16, 2021

SECTION 2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: This product is a colorless, pearly scales or powder, solid with no odor.

Health Hazards: May cause damage to the eyes.

Flammability Hazards: This product is not flammable.

Reactivity Hazards: No data available.

Environmental Hazards: The environmental effects of this product have not been investigated, however release may cause long term adverse environmental effects.

2.1 GHS LABELING AND CLASSIFICATION:

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 and regulation EC 1272/2008 (CLP) and 1907/2006 (REACH).

Index Number:

None of the components are classified in the Annex VI

Substances not listed either individually or in group entries must be self-classified.

Component(s) Contributing to Classification(s)

Phosphoric acid, calcium salt (2:1), monohydrate

2.2 LABEL ELEMENTS

GHS Hazard Symbol(s)



Signal Word: **Danger!**

GHS Hazard Classification(s):

Eye Damage Category 1



Hazard Statement(s):

H318: Causes serious eye damage

Prevention Statement(s):

P280: Wear eye/face protection.

Response Statement(s):

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor if you feel unwell.

Storage Statement(s):

None applicable

Disposal Statement(s):

None applicable

2.3 OTHER HAZARDS:

None Applicable

SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients:	WT%	CAS#	EINECS #	Hazard Classification
Phosphoric acid, calcium salt (2:1), monohydrate	100%	7758-23-8	231-837-1	Eye Damage Category 1

SECTION 4. FIRST-AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES:

EYE CONTACT: If product enters the eyes, open eyes while under gentle running water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention.

SKIN CONTACT: Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder before re-use.

INHALATION: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

INGESTION: If product is swallowed and feel unwell, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin and eye problems may be aggravated by prolonged contact.

4.2 SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

May cause damage to the eyes. May cause irritation of the skin. May be irritating to the respiratory system.

4.3 RECOMMENDATIONS TO PHYSICIANS:

Treat symptoms and eliminate overexposure.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 FIRE EXTINGUISHING MATERIALS:

Use fire extinguishing methods below:

<u>Water Spray:</u> Yes	<u>Carbon Dioxide:</u> Yes
<u>Foam:</u> Yes	<u>Dry Chemical:</u> Yes
<u>Halon:</u> Yes	<u>Other:</u> Any "A" Class

5.2 UNUSUAL FIRE AND EXPLOSION HAZARDS: None expected.

Explosion Sensitivity to Mechanical Impact: No

Explosion Sensitivity to Static Discharge: No

5.3 SPECIAL FIRE-FIGHTING PROCEDURES:

Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing



Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Provide adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.

6.2 ENVIRONMENTAL PRECAUTIONS:

No specific data available.

6.3 SPILL AND LEAK RESPONSE:

Sweep or vacuum up and place in an appropriate closed container. Avoid generating dust. Clean up residual material by washing area with water. Collect washings for disposal.

SECTION 7. HANDLING and STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

To prevent skin and eye contact under the foreseeable conditions of use, wear appropriate protective clothing and safety eyewear. Wash thoroughly after handling. Handle in a well-ventilated work area.

7.2 STORAGE AND HANDLING PRACTICES:

Store in closed containers. Store in an area that is cool, dry, sanitary, well-ventilated, isolated from all toxic and harmful substances. This product is hygroscopic and tends to cake on storage.

7.3 SPECIFIC USES:

See section 1.2.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 EXPOSURE PARAMETERS:

Chemical Name	CAS#	ACGIH TLV	OSHA TWA	EH40 TWA
Phosphoric acid, calcium salt (2:1), monohydrate	10031-30-8	Not Listed	Not Listed	Not Listed

PARTICULATES NOT OTHERWISE REGULATED RESPIRABLE FRACTION

	<u>TWA</u>	-
OSHA	5 mg/m ³	

PARTICULATES NOT OTHERWISE REGULATED TOTAL DUST

	<u>TWA</u>
OSHA	15 mg/m ³

8.2 EXPOSURE CONTROLS:

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION: Not required for properly ventilated areas. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

EYE PROTECTION: Safety glasses or goggles are required. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

HAND PROTECTION: Chemical resistant gloves are required to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.



BODY PROTECTION: Use body protect appropriate to task being performed. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

SECTION 9. PHYSICAL and CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE (Physical State) and COLOR: Colorless, pearly scales or powder

ODOR: No odor.

ODOR THRESHOLD: Not Available

pH: 3.7

MELTING/FREEZING POINT: 3038° F(1670° C)

BOILING POINT: Not Available

FLASH POINT: Not Applicable

EVAPORATION RATE (n-BuAc=1): Not Applicable

FLAMMABILITY (SOLID, GAS): Not Applicable

UPPER/LOWER FLAMMABILITY OR EXPLOSION LIMITS: Not Available

VAPOR PRESSURE (mm Hg @ 20°C (68°F): Not Applicable

VAPOR DENSITY: Not Applicable

RELATIVE DENSITY: Not Available

SPECIFIC GRAVITY: 0.59 – 0.64

SOLUBILITY IN WATER: Slightly soluble

WEIGHT PER GALLON: Not Available

PARTITION COEFFICIENT (n-octanol/water): Not Available

AUTO-IGNITION TEMPERATURE: Not Available

DECOMPOSITION TEMPERATURE: Not Available

VISCOSITY: Not Available

9.2 OTHER INFORMATION:

No additional information available at this time.

SECTION 10. STABILITY and REACTIVITY

10.1 REACTIVITY:

No specific test data related to reactivity available for this product or its ingredients.

10.2 STABILITY:

Stable under conditions of normal storage and use.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS:

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 CONDITIONS TO AVOID:

Dusting conditions, extreme heat, extreme humidity.

10.5 MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:

None known.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS:

None known.

SECTION 11. TOXICOLOGICAL INFORMATION



11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

TOXICITY DATA: No specific data available for this product.

Acute toxicity	Based on available data, the classification criteria are not met
Skin corrosion / irritation	Based on available data, the classification criteria are not met
Serious eye damage / irritation	Eye Damage Category 1
Respiratory or skin sensitization	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met

ROUTE OF EXPOSURE:
The most significant route

s of overexposure for this product are by contact with eyes, skin and respiratory system.

ACUTE:

INHALATION: May cause upper respiratory tract irritation.

CONTACT WITH SKIN: May cause irritation to skin.

EYE CONTACT: Corrosive. May cause serious eye damage.

INGESTION: Ingestion of large quantities may cause abdominal cramps, nausea, vomiting, diarrhea.

CHRONIC: No known significant effects or critical hazards.

TARGET ORGANS: **Acute:** Eyes, Skin, Respiratory System **Chronic:** Not applicable

SUSPECTED CANCER AGENT: Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

REPRODUCTIVE TOXICITY INFORMATION: No specific information is available concerning the effects of this product and its components on the human reproductive system.

SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE: Data not sufficient for classification.

SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE: Data not sufficient for classification.

ASPIRATION HAZARD: None.

SECTION 12. ECOLOGICAL INFORMATION

12.1 TOXICITY:

No specific data available on this product.

12.2 PERSISTENCE AND DEGRADABILITY:

No specific data available on this product.

12.3 BIOACCUMULATIVE POTENTIAL:

No specific data available on this product.

12.4 MOBILITY IN SOIL:

No specific data available on this product.

12.5 RESULTS OF PBT AND vPvB ASSESSMENT:

No specific data available on this product.

12.6 OTHER ADVERSE EFFECTS:

No known significant effects or critical hazards.

12.7 WATER ENDANGERMENT CLASS:

No specific data available for this product.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS:

Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada,



Australia, EU Member States and Japan.

13.2 EU WASTE CODE:

Not determined

SECTION 14. TRANSPORTATION INFORMATION

US DOT, IATA, IMO, ADR:

14.1 U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS: This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

- UN IDENTIFICATION NUMBER:** None
- PROPER SHIPPING NAME:** Not Regulated
- HAZARD CLASS NUMBER and DESCRIPTION:** None
- PACKING GROUP:** None
- DOT LABEL(S) REQUIRED:** None
- NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER:** None
- RQ QUANTITY:** None

MARINE POLLUTANT: The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA): This product is not considered as dangerous goods.

Mexican Inventory of chemical substances (NOM 010 STPS 2015): Not Listed

SECTION 16. OTHER INFORMATION

HMIS Rating (Scale 0-4)	NFPA Rating (Scale 0-4)
Health hazard: 2	Health hazard: 2
Flammability: 0	Flammability: 0
Physical Hazard: 0	Physical Hazard: 0

Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
CFR	Code of Federal Regulations
DOT	Federal Department of Transportation
GHS	The Globally Harmonized System of Classification and Labelling of Chemicals
HMIS	Hazardous Material Identification System
HCS	Hazard Communication Standard
IARC	International Agency for Research on Cancer
IATA	The International Air Transport Association
ICAO	The International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LD50/LC50	Lethal Concentration/Dose, 50 percent
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health
PEL	Permissible Exposure Limit

SARA
TLV
TWA

Superfund Amendments and Reauthorization Act
ACGIH Threshold Limit Value
Time-Weighted Average

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. SBF Pharma assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, SBF Pharma assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

END OF SDS SHEET

