

SILVER FERN CHEMICAL



Safety Data Sheet

Dicalcium Phosphate

SECTION 1: IDENTIFICATION

Product Name: Dicalcium Phosphate

CAS Number: 7757-93-9

Chemical Name: Calcium hydrogen phosphate dihydrate

Synonyms: dibasic calcium phosphate; calcium monohydrogen phosphate; Calcium phosphatedibasic; Calcium hydrogen phosphate

Company

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SECTION 2: HAZARD IDENTIFICATION

WARNING



H316: Causes mild skin irritation

H319: Causes serious eye irritation



SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CAS #	Content (W/W)	Hazardous Ingredients
7757-93-9	100%	Dicalcium Phosphate

SECTION 4: FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: N/A

Lower/Upper explosion limit: N/A

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

The product itself does not burn.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid dust formation. Avoid breathing vapors, mist or gas.

Environmental precautions: Do not let product enter drains.

Further information: Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal Protective Equipment (PPE)

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Form: powder Color: white
Odor	no data available
Odor Threshold	no data available
pH	no data available
Melting point/freezing point	Melting point/range: > 450 °C (> 842 °F)
Initial boiling point and boiling range	no data available
Flash point	not applicable
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapor pressure	no data available
Vapor density	no data available
Relative density	no data available
Water solubility	0.153 g/l at 20 °C (68 °F)

SECTION 10: STABILITY AND REACTIVITY

Conditions to avoid: no data available

Substances to avoid: Strong oxidizing agents

Hazardous reactions: Stable under recommended storage conditions.

Decomposition products: no data available

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 Oral - rat - female - 7,940 mg/kg

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation

Skin - rabbit

Result: No skin irritation

(OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes - rabbit

Result: No eye irritation

(OECD Test Guideline 405)

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

no data available

Persistence and degradability

no data available

SECTION 16: OTHER INFORMATION

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