

**MSDS**

MATERIAL SAFETY DATA SHEET

**CHEMTREC:** 800-424-9300 (USA)

703-527-3887(Outside USA and

Canada)

**CANUTEC:**

613-996-6666

**From:** Mallinckrodt Baker, Inc  
222 Red School Lane  
Phillipsburg, NJ 08865

NOTE: Use CHEMTREC and CANUTEC  
phone

numbers only in the event

Emergency Telephone Number: 908-859-2151

of a chemical emergency.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

**M A L L I N C K R O D T**

**J. T. B A K E R**

**CALCIUM PHOSPHATE DIBASIC**

**1. Product Identification**

**Synonyms:** Calcium monohydrogen phosphate; phosphoric acid, calcium salt (1:1), Secondary Calcium Ph

**CAS No.:** 7757-93-9

**Molecular Weight:** 136.06

**Chemical Formula:** CaHPO4

**Product Codes:**

J.T. Baker: 1430

Mallinckrodt: 4264, 4272

**2. Composition/Information on Ingredients**

Ingredient	CAS No	Percent	Hazardous
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**CAUTION! MAY CAUSE IRRITATION TO EYES AND RESPIRATORY TRACT.**

**Potential Health Effects**

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**Inhalation:**

May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.

**Ingestion:**

Not expected to be a health hazard via ingestion.

**Skin Contact:**

Not expected to be a health hazard from skin exposure.

**Eye Contact:**

May cause irritation, redness and pain.

**Chronic Exposure:**

No information found.

**Aggravation of Pre-existing Conditions:**

No information found.

**4. First Aid Measures**

**Inhalation:**

Remove to fresh air. Get medical attention for any breathing difficulty.

**Ingestion:**

Not expected to require first aid measures. If large amounts were swallowed, give water to drink and seek medical advice.

**Skin Contact:**

Not expected to require first aid measures. Wash exposed area with soap and water. Get medical advice if irritation develops.

**Eye Contact:**

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

**5. Fire Fighting Measures**

**Fire:**

Not considered to be a fire hazard.

**Explosion:**

Not considered to be an explosion hazard.

**Fire Extinguishing Media:**

Use any means suitable for extinguishing surrounding fire.

**Special Information:**

Use protective clothing and breathing equipment appropriate for the surrounding fire.

## 6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Sec Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be use dust dispersal. Small amounts of residue may be flushed to sewer with plenty of water.

## 7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical Containers of this material may be hazardous when empty since they retain product residues (dust, s observe all warnings and precautions listed for the product.

## 8. Exposure Controls/Personal Protection

### Airborne Exposure Limits:

None established.

### Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible exhaust ventilation is generally preferred because it can control the emissions of the contaminant source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

### Personal Respirators (NIOSH Approved):

For conditions of use where exposure to the dust or mist is apparent, a half-face dust/mist respirator worn. For emergencies or instances where the exposure levels are not known, use a full-face positive air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

### Skin Protection:

Wear protective gloves and clean body-covering clothing.

### Eye Protection:

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

## 9. Physical and Chemical Properties

### Appearance:

Fine, white powder.

### Odor:

Odorless.

### Solubility:

Practically insoluble in water.

**Density:**

2.3

**pH:**

No information found.

**% Volatiles by volume @ 21C (70F):**

0

**Boiling Point:**

Decomposes.

**Melting Point:**

Decomposes at red heat.

**Vapor Density (Air=1):**

No information found.

**Vapor Pressure (mm Hg):**

No information found.

**Evaporation Rate (BuAc=1):**

No information found.

**10. Stability and Reactivity**

**Stability:**

Stable under ordinary conditions of use and storage.

**Hazardous Decomposition Products:**

No information found.

**Hazardous Polymerization:**

Will not occur.

**Incompatibilities:**

No incompatibility data found.

**Conditions to Avoid:**

Excessive dust generation.

**11. Toxicological Information**

No LD50/LC50 information found relating to normal routes of occupational exposure.

-----\Cancer Lists\-----

---NTP Carcinogen---

Ingredient

Known

Anticipated

IARC Category

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Calcium Phosphate Dibasic

No

No

None  
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## 12. Ecological Information

### Environmental Fate:

No information found.

### Environmental Toxicity:

No information found.

## 13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved disposal facility. Processing, use or contamination of this product may change the waste management State and local disposal regulations may differ from federal disposal regulations. Dispose of conta unused contents in accordance with federal, state and local requirements.

## 14. Transport Information

Not regulated.

## 15. Regulatory Information

-----\Chemical Inventory Status - Part 1\-----

Ingredient	TSCA	EC	Japan	Australia
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Calcium Phosphate Dibasic (7757-93-9)	Yes	Yes	Yes	Yes
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-----\Chemical Inventory Status - Part 2\-----

--Canada--

Ingredient	Korea	DSL	NDSL	Phil.
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Calcium Phosphate Dibasic (7757-93-9)	Yes	Yes	No	Yes
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-----\Federal, State & International Regulations - Part 1\-----

	-SARA 302-	-----SARA 313-----		
Ingredient	RQ	TPQ	List	Chemical Catg.

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Calcium Phosphate Dibasic (7757-93-9)	No	No	No	No
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-----\Federal, State & International Regulations - Part 2\-----

		-RCRA-	-TSCA-	
Ingredient	CERCLA	261.33	8(d)	

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Calcium Phosphate Dibasic (7757-93-9)	No	No	No	No
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Chemical Weapons Convention: No      TSCA 12(b): No      CDTA: No

SARA 311/312: Acute: Yes      Chronic: No      Fire: No      Pressure: No

Reactivity: No      (Pure / Solid)

**Australian Hazchem Code:** No information found.

**Poison Schedule:** No information found.

**WHMIS:**

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations the MSDS contains all of the information required by the CPR.

**16. Other Information**

**NFPA Ratings:** Health: 0 Flammability: 0 Reactivity: 0

**Label Hazard Warning:**

CAUTION! MAY CAUSE IRRITATION TO EYES AND RESPIRATORY TRACT.

**Label Precautions:**

Avoid contact with eyes, skin and clothing.

Wash thoroughly after handling.

Avoid breathing dust.

Keep container closed.