

Material Safety Data Sheet

Required under USDL Safety and Health Regulations for Shipyard Employment (29 CFR 1915)

U.S. Department of Labor

Occupational Safety and Health Administration



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Calcium Phosphate, Tribasic

CAS No. 7758-87-4

Section I

Manufacturer's Name

Sargent-Welch Scientific Company

Emergency Telephone Number

312-677-0600

Address (Number, Street, City, State, and ZIP Code)

7300 N. Linder Ave.

Chemical Name and Synonyms

Calcium Phosphate, Tribasic

Trade Name and Synonyms

Tricalcium Phosphate

Chemical Family

Formula

$Ca_{10}(OH)_2(PO_4)_6$

Section II - Hazardous Ingredients

Paints, Preservatives, and Solvents

	%	TLV (Units)	Alloys and Metallic Coatings	%	TLV (Units)
Pigments			Base Metal		
	Not Applicable			Not Applicable	
Catalyst			Alloys		
Vehicle			Metallic Coatings		
Solvents			Filler Metal Plus Coating or Core Flux		
Additives			Others		
Others					

Hazardous Mixtures of Other Liquids, Solids or Gases

% TLV (Units)

Not Applicable

Section III - Physical Data

Boiling Point (°F)		Specific Gravity (H ₂ O=1)	
Melting point	1670°C	Percent Volatile by Volume (%)	NA
Vapor Pressure (mm Hg.)	NA	Evaporation Rate	NA
Vapor Density (AIR=1)	NA		

Solubility in Water

Practically insoluble

Appearance and Odor

White powder, odorless

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Non-flammable	Flammable Limits	NA	Lel	Uel
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Extinguishing Media

Use extinguishing media appropriate to surrounding fire.

Special Fire Fighting Procedures

Wear self-contained breathing apparatus.

Unusual Fire and Explosion Hazards

None

Section V - Health Hazard Data

Threshold Limit Value

Oral LD50 (rat) greater than 1000 mg/kg, low toxicity.

Effects of Overexposure

May be harmful if swallowed in large quantities. May cause irritation to eyes, skin and respiratory system.

Emergency First Aid Procedures

EYES: Flush eyes with flowing water for at least 15 minutes. Seek medical attention.
 SKIN: Wash contact area thoroughly with soap and water. Seek medical attention if irritation develops or persists. INHALATION: Move to fresh air. Seek medical attention.
 INGESTION: Seek immediate medical attention.

Section VI - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid)

None

Hazardous Decomposition Products

None

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VII - Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spilled

Wear safety equipment. Gather up spilled material and place in a sealed container for disposal in an approved land fill.

Waste Disposal Method

Disposal in accordance with all applicable federal, state and local environmental regulations.

Section VIII - Special Protection Information

Respiratory Protection (Specify Type)

NIOSH approved dust respirator if creating dust.

Ventilation	Local Exhaust	If creating dust	Special
	Mechanical (General)		Other

Emergency eye wash

Protective Gloves

Rubber gloves

Eye Protection

Goggles

Other Protective Equipment

Laboratory apron or coat

Section IX - Special Precautions

Precautions to be Taken in Handling and Storing

Store in a tightly closed container in a cool, dry area.

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