

# SAFETY DATA SHEET

#### 1. Identification

Product identifier: CALCIUM PHOSPHATE MONOBASIC

Other means of identification Product No.: 1426

#### Recommended use and restriction on use

Recommended use: Not available. Restrictions on use: Not known.

#### Manufacturer/Importer/Supplier/Distributor Information

#### Manufacturer

Company Name:	Avantor Performance Materials, Inc.
Address:	3477 Corporate Parkway, Suite 200
Talaahaaa	Center Valley, PA 18034
Telephone:	Customer Service: 855-282-6867
Fax:	Cusioniel Service. 055-202-0007
	Environmental Health & Sefety
Contact Person: e-mail:	Environmental Health & Safety info@avantormaterials.com

#### **Emergency telephone number:**

24 Hour Emergency: 908-859-2151

Chemtrec: 800-424-9300

#### 2. Hazard(s) identification

#### **Hazard Classification**

#### **Health Hazards**

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Specific Target Organ Toxicity -	Category 3
Single Exposure	

#### Label Elements

Hazard Symbol:



	Version: 1.0 Revision Date: 11-20-2014
	clothing/eye protection/face protection. Take off contaminated clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.
Response:	IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Storage:	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

#### 3. Composition/information on ingredients

#### Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
CALCIUM PHOSPHATE MONOBASIC (HYDRATED FORM)		10031-30-8	98 - 100%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

# 4. First-aid measures **General information:** Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance. Ingestion: Rinse mouth thoroughly. Call a POISON CENTER or doctor/physician if you feel unwell. Inhalation: Move to fresh air. Get medical attention if symptoms persist. **Skin Contact:** Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing. Wash contaminated clothing before reuse. Eye contact: Flush thoroughly with water. If irritation occurs, get medical assistance. Most important symptoms/effects, acute and delayed Symptoms: Irritating to eyes, respiratory system and skin. Indication of immediate medical attention and special treatment needed Treatment: Treat symptomatically. Symptoms may be delayed. 5. Fire-fighting measures **General Fire Hazards:** In case of fire and/or explosion do not breathe fumes.



# Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	None known.
Specific hazards arising from the chemical:	Contact with metals may evolve flammable hydrogen gas. Fire may produce irritating, corrosive and/or toxic gases.
Special protective equipment an	d precautions for firefighters
Special fire fighting procedures:	Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool. Cool containers exposed to flames with water until well after the fire is out.
Special protective equipment for fire-fighters:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
6. Accidental release measures	S
Personal precautions, protective equipment and emergency procedures:	Keep unauthorized personnel away. Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Methods and material for containment and cleaning up:	Sweep up and place in a clearly labeled container for chemical waste. Clean surface thoroughly to remove residual contamination. Dike far ahead of larger spill for later recovery and disposal.
Notification Procedures:	Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. Inform authorities if large amounts are involved.
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.
7. Handling and storage	
Precautions for safe handling:	Use personal protective equipment as required. Do not breathe mist or vapor. Do not taste or swallow. Do not eat, drink or smoke when using the product. Use only with adequate ventilation. Wash hands thoroughly after handling. See Section 8 of the MSDS for Personal Protective Equipment. Avoid contact with eyes. Avoid contact with skin.
Conditions for safe storage, including any incompatibilities:	Store in a well-ventilated place. Store locked up. Keep container tightly closed.
8. Exposure controls/personal	protection
Control Parameters Occupational Exposure Limit	s None of the components have assigned exposure limits.
Appropriate Engineering Controls	No data available.
SDS US - SDSMIX000706	3/9



#### Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area.
Eye/face protection:	Wear safety glasses with side shields (or goggles) and a face shield.
Skin Protection Hand Protection:	Chemical resistant gloves
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator.
Hygiene measures:	Provide eyewash station and safety shower. Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when using the product. Wash contaminated clothing before reuse.

# 9. Physical and chemical properties

#### Appearance

Physical state:	Solid
Form:	powder
Color:	White
Odor:	Odorless
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	100 °C
Initial boiling point and boiling range:	203 °C
Flash Point:	Not applicable
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosi	ve limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Relative density:	2.22 (18 °C)
Solubility(ies)	
Solubility in water:	20 g/l
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
Other information	
Other information	
Molecular weight:	252 g/mol (Ca.2H3O4P.H2O)
SDS_US - SDSMIX000706	



#### 10. Stability and reactivity

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
Conditions to Avoid:	Excessive heat. Contact with incompatible materials.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Fire or excessive heat may produce hazardous decomposition products.

#### 11. Toxicological information

# Information on likely routes of exposure

Ingestion:	May be harmful if swallowed. May cause irritation of the gastrointestinal tract.
Inhalation:	May be harmful if inhaled. May cause drowsiness or dizziness.
Skin Contact:	Causes skin irritation.
Eye contact:	Causes serious eye irritation.

#### Information on toxicological effects

Acute toxicity (list all possible routes of exposure)	
No data available.	
Causes skin irritation.	

#### Serious Eye Damage/Eye Irritation Product: Causes serious eye irritation.

Respiratory or Skin Sensitization		
Product:	Not a skin sensitizer.	

#### Carcinogenicity Product:

This substance has no evidence of carcinogenic properties.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans: No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:** No carcinogenic components identified



#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

#### **Germ Cell Mutagenicity**

In vitro Product:	No mutagenic components identified
In vivo Product:	No mutagenic components identified
Reproductive Toxicity Product:	No components toxic to reproduction
Specific Target Organ Toxicity - Product:	Single Exposure No data available.
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.
Aspiration Hazard Product:	Not classified
Other Effects:	None known.

# 12. Ecological information

#### **Ecotoxicity:**

Acute hazards to the aquatic environment:		
Fish Product:	No data available.	
Aquatic Invertebrates Product:	No data available.	
Chronic hazards to the aquatic environment:		
Fish Product:	No data available.	
Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	There are no data on the degradability of this product.	
BOD/COD Ratio Product:	No data available.	
Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available on bioaccumulation.	
Partition Coefficient n-octanol / water (log Kow)		



Product:	No data available.
Mobility in Soil: Other Adverse Effects:	The product is water soluble and may spread in water systems.
Other Adverse Enects.	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
12 Dispession considerations	
13. Disposal considerations	
Disposal instructions:	Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

#### 14. Transport information

#### DOT

Not regulated.

#### IMDG

Not regulated.

### ΙΑΤΑ

Not regulated.

#### 15. Regulatory information

#### **US Federal Regulations**

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

#### CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories

Х	Acute (Immediate) Chronic (Delayed) Fire Reactive Pressure Generating		
SARA 302 Extremely Hazardous Substance None present or none present in regulated quantities.			
;	SARA 304 Emergency Release Notification None present or none present in regulated quantities.		



# SARA 311/312 Hazardous Chemical

# Chemical Identity Threshold Planning Quantity

CALCIUM PHOSPHATE MONOBASIC (HYDRATED FORM) 500 lbs

#### SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

#### Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

# US State Regulations

#### **US. California Proposition 65**

No ingredient regulated by CA Prop 65 present.

US. New Jersey Worker and Community Right-to-Know Act No ingredient regulated by NJ Right-to-Know Law present.

#### US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

#### US. Pennsylvania RTK - Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

#### US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

#### **Inventory Status:**

Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
EINECS, ELINCS or NLP:	On or in compliance with the inventory
Japan (ENCS) List:	On or in compliance with the inventory
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Canada NDSL Inventory:	Not in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory
Japan ISHL Listing:	Not in compliance with the inventory.
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.

#### 16.Other information, including date of preparation or last revision

#### NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe



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Further Information:	No data available.
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