

SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION

GHS Product identifier: Potassium Phosphate, Dibasic, Anhydrous

Other means of identification

Product No.: 0242, 3222, 3250, 3251, 3252, 3254, 3255, 325A, 4012, 7787

Intended Use: For Laboratory, Research or Manufacturing Use.

Details of the supplier of the safety data sheet:

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200
Radnor, PA 19087

Telephone:

Customer Service: 855-282-6867

Contact Person: Product Information Compliance

E-mail: info@avantormaterials.com

Emergency telephone: CHEMTREC: 00801-14-8954 (24/7)

2 HAZARDS IDENTIFICATION

GHS classification:

GHS label elements

Not applicable

3 COMPOSITION / INFORMATION ON INGREDIENTS

Substance or Preparation:

Chemical name	CAS-No.	Concentration
Potassium phosphate, dibasic, anhydrous	7758-11-4	100.00%

4 FIRST AID MEASURES

General: Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.

Inhalation: Move to fresh air. Get medical attention if symptoms persist.

Eye contact: Flush thoroughly with water. If irritation occurs, get medical assistance.

Skin Contact: Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing. Wash contaminated clothing before reuse.

Ingestion: Rinse mouth thoroughly. Call a POISON CENTER/doctor if you feel unwell.

Likely Acute or Delayed Symptoms/Effects: May cause irritation to skin, eyes and respiratory tract.

Notes to the physician: Treat symptomatically. Symptoms may be delayed.

5 FIRE-FIGHTING MEASURES

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media:	None known.
Unusual Fire & Explosion Hazards:	During fire, gases hazardous to health may be formed.
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.
Protective Measures:	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

Personal precautions:	Keep unauthorized personnel away. Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
Spill Cleanup Methods:	Sweep up and place in a clearly labeled container for chemical waste. Clean surface thoroughly to remove residual contamination.
Notification Procedures:	Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.

7 HANDLING AND STORAGE

Handling:	Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Avoid inhalation of dust. Wash thoroughly after handling.
Storage:	Keep containers tightly closed. Store in cool, dry place. Store in a well-ventilated place.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate Engineering Controls:	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.
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Personal protective equipment (ppe):

Respiratory Protection:	In case of inadequate ventilation use suitable respirator.
Eye Protection:	Use tight fitting goggles if dust is generated.
Hand Protection:	Wear protective gloves.
Skin Protection:	Wear suitable protective clothing.

Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state:	Solid
Form:	Crystals or powder.
Color:	White
Odor:	Odorless
Odor Threshold:	No data available.
pH:	No data available.
Melting Point:	> 465 °C
Boiling Point:	No data available.
Flash Point:	Not applicable
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%)–:	No data available.
Flammability Limit - Lower (%)–:	No data available.
Vapor pressure:	No data available.
Vapor density (air=1):	No data available.
Relative density:	2.45 (20 °C)
Solubility(ies)	
Solubility in Water:	Soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Viscosity:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

10 STABILITY AND REACTIVITY

Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerization does not occur.
Conditions to avoid:	Contact with incompatible materials.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	oxides of phosphorus

11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation:	No adverse effects are expected.
Ingestion:	No adverse effects due to ingestion are expected.

Skin Contact: No adverse effects are expected.
Eye contact: May cause temporary eye irritation.

Information on toxicological effects

Acute toxicity

Oral
Product: LD 50 (Rat): 4,260 - 5,700 mg/kg

Dermal
Product: LD 50 (Rabbit): > 5,000 mg/kg

Inhalation
Product: LC 50 (Rat, 4 h): > 0.83 mg/l

Repeated dose toxicity
Product: None known.

Skin Corrosion/Irritation:
Product: Not known.

Serious Eye Damage/Eye Irritation:
Product: May cause temporary eye irritation.

Respiratory or Skin Sensitization:
Product: Not a skin nor a respiratory sensitizer.

Germ Cell Mutagenicity

In vitro
Product: No mutagenic components identified

In vivo
Product: No mutagenic components identified

Carcinogenicity
Product: This substance has no evidence of carcinogenic properties.

Reproductive toxicity
Product: No components toxic to reproduction

Specific Target Organ Toxicity - Single Exposure
Product: None known.

Specific Target Organ Toxicity - Repeated Exposure
Product: None known.

Aspiration Hazard
Product: Not classified

Other adverse effects: None known.

12 ECOLOGICAL INFORMATION

General information: Not applicable

Ecotoxicity

Acute toxicity

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Chronic Toxicity

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

Product: No data available on bioaccumulation.

Mobility in soil:

The product is water soluble and may spread in water systems.

Results of PBT and vPvB assessment:

Not available.

Other adverse effects:

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.

13 Disposal considerations

General information:

No specific disposal method required.

Disposal methods:

Discharge, treatment, or disposal may be subject to national, state, or local laws.

14 TRANSPORT INFORMATION

IMDG - International Maritime Dangerous Goods Code

Not regulated.

IATA

Not regulated.

15 REGULATORY INFORMATION

Occupational Safety and Health Act

Regulations for the Labeling and Hazard Communication of Hazardous Chemicals

Regulations Governing Road Traffic Safety

Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste

Standards of Permissible Exposure Limits at Job Site

16 OTHER INFORMATION

Inventory Status

Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Japan (ENCS) List:	On or in compliance with the inventory
Japan ISHL Listing:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Mexico INSQ:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
EINECS, ELINCS or NLP:	On or in compliance with the inventory

Information Sources:

1. Sources of information used in preparing this SDS included one or more of the following: results from in house or supplier toxicology studies, information from the Toxicology Data Network (TOXNET), European Chemical Agency (ECHA) substance dossiers, IARC Monographs, US National Toxicology Program data, the Agency for Toxic Substances and Disease Registry, other manufacturer's SDSs and other sources, as appropriate.

Revision Information:

Not relevant.

Issue Date:

06-09-2021

SDS No.:

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