

## DI-POTASSIUM HYDROGEN PHOSPHATE ANHYDROUS

### SECTION 1: PRODUCT IDENTIFICATION

**Product Name:** di-Potassium hydrogen phosphate anhydrous  
**Product Code:** 5063  
**CAS#:** Not available  
**Synonym:** Not available  
**Chemical Name:** Not available  
**Chemical Formula:** Not available  
**Formula Weight:** Not available

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

**Composition:**

**Name:** di-Potassium hydrogen phosphate anhydrous

**Toxicological Data on Ingredients:**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

This substance is not classified as dangerous according to Directive 67/548/EEC

### SECTION 3: HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

**Potential Acute Health Effects:** Not Available

**Carcinogenic Effects:** Not Available

**Mutagenic Effects:** Not Available

**Teratogenic Effects:** Not Available

**Developmental Toxicity:** Not available, Repeated or prolonged exposure is not known to aggravate medical condition.

### SECTION 4: FIRST AID MEASURES

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. WARM water MUST be used. Get medical attention if irritation occurs

**Skin Contact:** Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops

**Serious Skin Contact:** Not available

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention

**Serious Inhalation:** Not Available

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Serious Ingestion:** Not available

### SECTION 5: FIRE FIGHTING MEASURES

**Extinguishing media**

**Suitable extinguishing media :**

Use extinguishing measures that are appropriate to local circumstances and the



surrounding environment.

**Special hazards arising from the substance or mixture**

Nature of decomposition products not known.

Not combustible.

Fire may cause evolution of:

Oxides of phosphorus

Ambient fire may liberate hazardous vapours.

**Advice for firefighters** Wear self-contained breathing apparatus for firefighting if necessary.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements

**Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system

## SECTION 7: HANDLING AND STORAGE

**Precautions:** Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Keep away from incompatibles such as oxidizing agents

**Storage conditions:** Tightly closed. Dry.

Recommended storage temperature see product label.

**Storage Class:** Storage class (TRGS 510): 13: Non Combustible Solids

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection:** Safety glasses, Lab coat, Dust respirator, Gloves. Be sure to use an approved/certified respirator or equivalent.

**Personal Protection in Case of a Large Spill:** Splash goggles, Full suit, Dust respirator, Boots, Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:** Not available

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance	:	Solid
Odor	:	White
Taste	:	Not available
Color	:	Not available
Molecular Weight	:	Not available
PH	:	Not available
Boiling Point	:	Not available
Melting Point	:	> 450°C
Critical Temperature	:	Not available
Specific Gravity	:	Not available
Vapor Pressure	:	Not available
Vapor Density	:	Not available
Volatility	:	Not available
Odor Threshold	:	Not available



Water/Oil Dist. Coeff.	:	Not available
Ionicity (in Water)	:	Not available
Dispersion Properties	:	Not available
Solubility	:	208 g/l at 20°C

#### SECTION 10: STABILITY AND REACTIVITY DATA

**Stability:** The product is chemically stable under standard ambient conditions (room temperature) .**Instability**

**Temperature:** Not available

**Conditions of Instability:** Not available

**Incompatibility with various substances:** Not available

**Corrosivity:** Not available.

**Special Remarks on Reactivity:** Not available

**Special Remarks on Corrosivity:** Not available

**Polymerization:** Not available

#### SECTION 11: TOXICOLOGICAL INFORMATION

**Routes of Entry:** Inhalation, Ingestion

**Toxicity to Animals:**

**LD<sub>50</sub>:** Oral - Rat - female - > 2.000 mg/kg

**LC<sub>50</sub>:** Inhalation - Rat - male and female - - > 2000 mg/l

**Chronic Effects on Humans:** Not available

**Other Toxic Effects on Humans:** Not available

**Special Remarks on Toxicity to Animals:** Not available

**Special Remarks on Chronic Effects on Humans:** Not available

**Special Remarks on other Toxic Effects on Humans:** Not available

#### SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:**

Toxicity to fish semi-static test LC50 - Oncorhynchus mykiss (rainbow trout) - > 100 mg/l - 96 h

Toxicity to daphnia static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h

and other aquatic

invertebrates

Toxicity to algae static test ErC50 - Desmodesmus subspicatus (green algae) - > 100mg/l - 72 h

Toxicity to bacteria static test EC50 - activated sludge - > 1.000 mg/l - 3 h

**LC<sub>50</sub>:** Not available

**BOD and COD:** Not available

**Products of Biodegradation:** Not available

**Toxicity of the Products of Biodegradation:** Not available

**Special Remarks on the Products of Biodegradation:** Not available

#### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

#### SECTION 14: TRANSPORT INFORMATION

**UN number:**



ADR/RID:	IMDG:	IATA:
UN proper shipping name		
ADR/RID:		
IMDG:		
IATA:		
Transport hazard class(es):		
ADR/RID:	IMDG:	IATA:
Packaging group:		
ADR/RID:	IMDG:	IATA:
Environmental hazards:		
ADR/RID: no	IMDG Marine pollutant: no	IATA: no

#### SECTION 15: REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Chemical Safety Assessment:** For this product a chemical safety assessment was not carried out

#### SECTION 16: OTHER INFORMATION

**References: Full text of H AND R-Statements**

Not available

**Other Special Considerations:** Not available

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