DI AMMONIUM HYDROGEN ORTHOPHOSPHATE, FOOD GRADE

SECTION 1: PRODUCT IDENTIFICATION

Product Name: DI AMMONIUM HYDROGEN ORTHOPHOSPHATE, FOOD GRADE
Product Code: 5021
CAS#: Not available
Synonym: Not Available
Chemical Name: Not available
Chemical Formula: Not available
Formula Weight: Not available

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Name: DI AMMONIUM HYDROGEN ORTHOPHOSPHATE
Toxicological Data on Ingredients:
Ammonium phosphate dibasic: ORAL (LD50): Acute: 3000 mg/kg [Rat]

SECTION 3: HAZARDS IDENTIFICATION

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.
Potential Chronic Health Effects:
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. Get medical attention.
Skin Contact: Wash off immediately with soap and plenty of water. Cover the irritated skin with emollient. Immediate medical attention is required.
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. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
Serious Ingestion: Not available

SECTION 5: FIRE FIGHTING MEASURES

Flammability of the Product: Non-flammable.
Auto-Ignition Temperature: Not Available
Flash Points: Not Applicable
Flammable Limits: Not Applicable

Products of Combustion: Not Applicable
Fire Hazards in Presence of Various Substances: Not Applicable
Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available
Risks of explosion of the product in presence of mechanical impact: Not Available
Risks of explosion of the product in presence of static discharge: Not available
Fire Fighting Media and Instructions:
Small fire: Not Applicable
Large fire: Not Applicable
Special Remarks on Fire Hazards: Not Applicable
Special Remarks on Explosion Hazards: Not available

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 to evacuate through the sanitary system.

SECTION 7: HANDLING AND STORAGE

Precautions: 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
Storage conditions: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system

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: Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent.Gloves.
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	:	Not available
Taste	:	Not available
Color	:	White
Molecular Weight	:	Not available
PH	:	Not available
Boiling Point	:	Not available
Melting Point	:	Not available
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	:	Freely soluble in water

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: The product is stable.
Instability Temperature: Not available
Conditions of Instability: Incompatible materials
Incompatibility with various substances: Reactive with oxidizing agents, reducing agents, acids, alkalis
Corrosivity: Non-corrosive in presence of glass.
Special Remarks on Reactivity: Decomposes in hot water, yielding ammonia and carbon dioxide. Air sensitive. Decomposes on exposure to air with loss of ammonia and carbon dioxide becoming white and powdery an converting to DI AMMONIUM HYDROGEN ORTHOPHOSPHATE Sensitive to light
Special Remarks on Corrosivity: Not Available
Polymerization: No

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals:
LD_{50}: Acute oral toxicity (LD50): 3000 mg/kg [Rat]
LC_{50}: Not available
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: Not available
BOD and COD: Not available
Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise
Toxicity of the Products of Biodegradation: The products of degradation are more toxic
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

DOT Classification: Not a DOT controlled material (United States).
Identification: Not applicable
Special Provisions for Transport: Not applicable

SECTION 15: REGULATORY INFORMATION

Federal and State Regulations: Pennsylvania RTK:DI AMMONIUM HYDROGEN ORTHOPHOSPHATEMassachusetts RTK:DI AMMONIUM HYDROGEN ORTHOPHOSPHATETSCA 8(b) inventory:DI AMMONIUM HYDROGEN ORTHOPHOSPHATECERCLA: Hazardous substances.:DI AMMONIUM HYDROGEN ORTHOPHOSPHATE
Other Regulations: Not available
Other Classifications: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.
WHMIS (Canada): CLASS D-2B: Material causing other toxic effects (TOXIC).
DSCL (EEC): R36/37/38- Irritating to eyes, respiratory system and skin. S24/25- Avoid contact with skin and eyes. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28- After contact with skin, wash immediately with plenty of water. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.
HMIS (U.S.A.):
Health Hazard: 2
Fire Hazard: 0
Reactivity: 0
Personal Protection: E
National Fire Protection Association (U.S.A.):
Health: 2
Flammability: 0
Reactivity: 0
Specific hazard: Not Available
Protective Equipment: Gloves, Lab coat, Safety glasses, and Dust respirator - be sure to use an approved/certified respirator or equivalent

SECTION 16: OTHER INFORMATION

References: SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984. -The Sigma-Aldrich Library of Chemical Safety Data, Edition II. -Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987
H302 Harmful if swallowed
Other Special Considerations: Not available

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