

Maha Chemicals (Asia) Pte Ltd 51 Tuas West Drive, Singapore 638415 Tel +65 6863 1808

Fax +65 6863 1819 sales@mahachem.com

SAFETY DATA SHEET

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PNP1C

Section 1: Chemical Product and Company Identification

Product Name: PNP1C EINECS #: 269-789-9 CAS#: 68333-79-9 Chemical Name: Compound based on Ammonium Polyphosphate

Section 2: Composition and Information on Ingredients				
Composition:				
Name	CAS #	% by Weight		
Ammonium Polyphosphate	68333-79-9	-		
Melamine	108-78-1	>10		
Toxicological Data on Ingred	ients: Not applicab	e.		

Section 3: Hazards Identification

Physical/chemical Hazards: None Environmental Hazards: None Effects of exposure: Irritating to eyes and respiratory tract at exposure above.

Symptom of Exposure: Inhalation: Sore throat, coughing Ingestion: Result in abdominal pan Skin Contact: No irritation Eye Contact: Redness, pain

Section 4: First Aid Measures

Ingestion: Wash out mouth with water **Inhalation:** Remove victim to fresh air. Consult a doctor if necessary. **Skin Contact:** Wash off with water and soap.

Eye Contact: Wash out with plenty of water. Consult a doctor if necessary.



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Section 5: Fire and Explosion Data

Extinguishing Media
Suitable: Not available.
Not Suitable: Not available.

Unusual Fire and Explosion Hazards: Decomposition at temperature above 250°C. **Hazardous Thermal Decomposition and Combustion Products:** None. **Protection of Firefighters:** Self-container breathing equipment.

Section 6: Accidental Release Measures

Personal Precautions: Use appropriate protective clothing and equipment (see section 8).
 Environmental Precautions: Take the usual precautions.
 Methods for Cleaning Up: Collect spilled material in sealed containers. Forward for disposal.
 Remarks: Prevent dispersion of dust.

Section 7: Handling and Storage

Handling: Take the usual precautions.Storage: Store away from highly flammable substances. Keep in dry place.Other Requirements: Prevent dispersion of dust.

Section 8: Exposure Controls/Personal Protection

Engineering Measures: Ventilation recommended to minimize dust exposure. **Hygienic Measures:** When using, do not eat, drink or smoke.

Personal Protection
Respiratory System: Dust mask.
Hands: Rubber coated gloves.
Eyes: Safety goggles.
Other Exposure Limits: According to Limit Value of nuisance dust: (Expected 10mg/m³ total dust.
Expected 5mg/m³ respirable dust.).
Recommended Monitoring Procedures: Not available.



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Section 9: Physical and Chemical Properties		
Appearance	Fine, free flow white powder	
Phosphorous	20.0-24.0% (m/m)	
Water Content	0.5 max	
Thermal Decomposition	≥250°C	
Density at 25°C	1.8 g/cm ³	
Apparent Density	0.9 g/cm ³	
Solubility in Water (at 25°C, 10% suspension)	10g/L, max	
Average Particle Size (D₅₀)	0.5% (m/m) max	
	280°C approx. 5% (m/m)	
Weight Loss	310°C approx. 10% (m/m)	
	380°C approx. 20% (m/m)	
Boiling Point	Not applicable	
Melting Point	Decomposition at temperatures above 250°C	
Flash Point	Not applicable	
Lower Explosion Limit	Not applicable	
Upper Explosion Limit	Not applicable	
Odor	Odorless	

Section 10: Stability and Reactivity Data	
Stability	Stable under ordinary conditions of use and storage
Hazardous Decomposition Products	None (normal conditions)
Hazardous Polymerization	Will not occur (normal conditions)
Conditions to Avoid	Avoid temperatures above 270°C
Materials to Avoid	Not applicable
Hygroscopic	Non-hygroscopic, however when stored in open container, the product can still absorb small amounts of moisture owing to the high surface area of the powder.



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Section 11: Toxicological Information	
Acute Toxicity	Not applicable
Oral	LD ₅₀ rat: >2000mg/kg
Eye Irritation	Slightly irritating
Skin Irritation	No irritating
Sensitization	Not sensitizing (Expected on basis of structure)
Germ Cell Mutagenicity	Not mutagenic
Carcinogenicity	Not applicable
Reproductive Toxicity	Not toxic
Toxicity to Specific Target Organ (one-contact)	Not applicable
Toxicity to Specific Target Organ (multiple-contact)	Not applicable

Section 12: Ecological Information	
Mobility	Not available
Persistance and Degradability	Expected inherently biodegradable
Bioaccumulative Potential	None
Ecotoxicity	Not applicable
Ames Test	Negative

Section 13: Disposal Considerations
Methods of Disposal:
Disposal according to the local legislation.

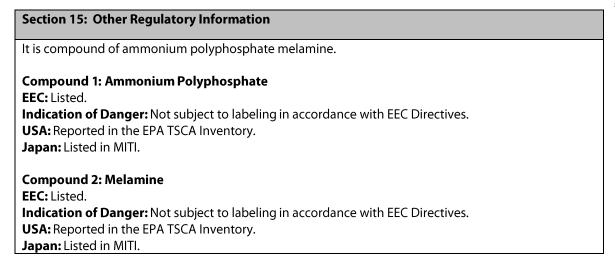
Section 14: Transport Information

Land, Road, Railways: Not restricted Inland Waterways, Sea: Not restricted Air: Not restricted



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Section 16: Other Information

No other information available.