



# SHIFANG TAIFENG NEW FLAME RETARDANT CO., LTD

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## Material Safety Data Sheet

### 1. Product Identification

Chemical product name: Melamine Modified Ammonium Polyphosphate

CAS No. : 68333-79-9

Chemical Formula: (NH<sub>4</sub>PO<sub>3</sub>)<sub>n</sub>

### 2. Composition /Information on Ingredients

Ingredient	Cas No.	Percent	Hazardous
Ammonium Polyphosphate	68333-79-9	85 to 95	no
Melamine		5 to 15	no

### 3. Hazards Identification

NFPA Ratings (SCALE 0-4): HEALTH=1 FIRE=0 REACTIVITY=0

Physical/chemical hazards: None

Environmental hazards: None

Effect of exposure: Irritating to eyes and respiratory tract at exposure above.

#### Symptom of exposure

Inhalation:	Sore throat, coughing.
Ingestion:	Result in abdominal pain.
Skin contact:	No irritation.
Eye contact:	Redness, pain.

### 4. First Aid Measures

Inhalation:	Remove victim to fresh air.Consult a doctor if necessary.
Ingestion:	Wash out mouth with water.
Skin contact:	Wash off with water and soap.
Eye contact:	Wash out with plenty of water.Consult a doctor if necessary.

### 5. Fire Fighting Measures

#### Extinguishing media

Suitable: Not available.

Not suitable: Not available.

Unusual fire and explosion hazards: Decomposition at temperatures above 270 .

Hazardous thermal decomposition

And combustion products: None.

Protection of firefighters: Self-contained breathing equipment.

### 6. Accidental Release Measures

Personal precautions: Use appropriate protective clothing and equipment (see Section 8).

#### Environmental precautions

Methods for cleaning up: Collect spilled material in sealed containers.  
Forward for disposal.

Remarks: Prevent dispersion of dust.

### 7. Handling and Storage

Handling: Take the usual precautions.

Storage: Store away from highly flammable substances. Keep in dry place.

Packaging materials



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Other requirements.

Prevent dispersion of dust.

### 8. Exposure Controls/Personal Protection

Engineering measures: Ventilation recommended to minimize dust exposure.

Hygienic measures: do not eat, drink or smoke during handling.

Personal protection

Respiratory system: Dust mask.

Hands: Rubber coated gloves.

Eyes: Safety goggles.

Other exposure limits: According to Limit Value of nuisance dust:  
(10mg/m<sup>3</sup> total dust. 5 mg/m<sup>3</sup> respirable dust.)

Recommended monitoring

Procedures: Not available.

### 9. Physical and Chemical Properties

Appearance: Fine, white powder.

Phosphates: 28-32%(w/w)

Nitrogen: 14-20%(w/w)

Water content: 0.25%max.

PH value(10%suspension) 7-9

Thermal decomposition: >250 .

Density at 25C : 1.9g/cm<sup>3</sup>.

Apparent density: 0.7g/cm<sup>3</sup>

Viscosity(at 25 ,10%suspension) 30max.

Solubility in water(at 25 ,10%suspension) 0.25%(w/w)max..

Average particle size: approx 10µm.

Weight loss: 350 approx.5%(w/w).

450 approx.10%(w/w).

550 approx.20%(w/w).

Boiling point Not applicable

Melting point Decomposition at temperatures above 270 .

Flash point Not applicable

Lower explosion limit Not applicable

Upper explosion limit Not applicable

### 10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Hazardous decomposition products: None (normal conditions).

Hazardous polymerization: Will not occur (normal conditions)

Avoid temperatures above 270 .

Conditions to avoid:

Materials to avoid: Not applicable.

### 11. Toxicological information

Acute oral toxicity: >2000mg/kg LD50(rat).

Eye irritation: Slightly irritating.

Skin irritation: No irritation.

Sensitization: Not a sensitizing

### 12. Ecological information

Mobility: Not available.



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Persistence and degradability:	Expected inherently biodegradable.
Bio-accumulative potential:	None.
Ames test:	Negative.

### 13. Disposal considerations

Methods of disposal: Disposal according to the local legislation.

### 14. Transport information

Land, road, railway:	Not restricted, DOT non-regulated.
Inland waterways, sea:	Not restricted.
Air:	Not restricted.

### 15: Other Regulatory Information

#### U.S. Regulations:

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4): Not regulated.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30): Not regulated.

SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40): Not regulated.

SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):

Acute: No Chronic: No Fire: No Reactive: No Sudden Release: No

SARA TITLE III SECTION 313 (40 CFR 372.65): Not regulated.

OSHA PROCESS SAFETY (29CFR1910.119): Not regulated.

State Regulations: California

Proposition 65: Not regulated.

Canadian Regulations:

WHMIS Classification: Not determined.

European Regulations:

EC Classification (calculated): Not determined.

U.S. Inventory (TSCA): Listed on inventory.

TSCA 12(b) Export Notification: Not listed.

Canada Inventory (DSL): Listed on inventory.

Canada Inventory (NDSL): Not determined.

### Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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