



## Material Safety Data Sheet

Phlmoon-1090A

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### Section 1 : Chemical Product Identification

A. Product name : Phlmoon -1090A ( Halogen free flame retardant )

B. Chemical name: Melamine polyphosphate based mixture

### Section 2: Hazards Identification

Physical/chemical hazards : Not applicable.

Environmental hazards : Not applicable.

Effect(s) of (over)exposure : Irritating to eyes and respiratory tract at exposure above Treshold Limit Value.

Symptom(s) of (over)exposure

Inhalation : Sore throat, coughing.

Ingestion : > 10 g may result in abdominal pain.

Skin contact : Redness.

Eye contact : Redness, pain.

### Section 3: Composition, Information on Ingredients

○ Chemical name: Melamine polyphosphate based mixture

○ CAS No and CONTENT(%)

CONTENT(%)	Percentage(%)	CAS No.
Melamine polyphosphate	55~ 60	218768-84-4
Piperazine pyrophosphate	40~ 55	66034-17-1

○ CHEMICAL FAMILY : Phosphate salt

### Section 4: The First Aid Measures

A. EYE CONTACT :

- Immediately wash, also inside the eye lids, thoroughly with water or saline solution
- Consult to your doctor. B.

B.SKIN CONTACT :

- Immediately remove the work uniform and shoes contaminated
- Wash thoroughly with soap or neutral detergent until the chemicals are completely removed (Minimum of 15-20 min.)
- Consult to your doctor.

C. INHALATION:

- Move away from the exposure area. When needed, use a lifesaving device or similar

device for the artificial respiration.

- Consult to your doctor. D.

D. INGESTION :

- Lower the head down below the hip level to prevent the airway of the neck from choking, if vomiting occurs.
- Consult to your doctor if needed.

### Section 5: Fire Fighting Measures

A. Ignition point : >300°C

B. Classification and regulations on fire extinguishing method:

- Nothing officially confirmed yet. C.

Extinguishing Media :

- Powder-formed agent, carbon dioxide, water, general foam
- Large fires: use extinguishing media or splash with water. D.

Extinguishing method and device :

- If possible, move container from the fire.
- Apply the high pressured spout of water to the area exposed that, not to be scattered.
- Use proper extinguishing agent for the fire.
- Avoid the inhalation of dust, burnt materials, and gas when fire.
- Pose and face the direction of the wind, and move away from low areas.

### Section 6: Accident release measures

A. Essential measures for protecting human body :

- Referring to 8, wear appropriate private clothing to protect yourself.

B. Essential measures for protecting the environment :

- Do not discharge materials into the sewerage.

C. Purification or disposal:

- Prepare appropriate containers for disposal.
- Away from the waterworks and the sewerage.
- Do not allow anyone near except persons concerned and petrol the dangerous area.

### Section 7: Handling and Storage

A. Handling :

- Do not inhale the dust.
- Avoid a contact with eyes, skin, and clothing.
- Avoid dust
- Wash thoroughly after handling
- Handle under good ventilation

B. Storage :

- Keep away from the heat and flame
- Store in a place cool and dry
- Seal up containers well
- Handle and store subject to the existing law and regulations.
- Separate materials not allowed to be mixed.

### Section 8: contact control / personal protection

A. Management :

- Install machinery or proper devices where potential explosion danger exists.
- Check whether they meet the standards subjected.

#### B. RESPIRATOR:

- Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use.
- Any dust, mist, and fume respirator.
- Any air-purifying respirator with a high-efficiency particulate filter.
- Any powered, air-purifying respirator with a dust, mist, and fume filter.
- Any powered, air-purifying respirator with a high-efficiency particulate filter.
- For Unknown Concentrations or Immediately Dangerous to Life or Health –
- Any supplied-air respirator with full face piece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply.
- Any self-contained breathing apparatus with a full face piece.

#### C. Eye protection :

- Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

D. Hand protection : Wear appropriate chemical resistant gloves.

E. Body protection : Wear appropriate chemical resistant clothing.

F. Hygiene caution :

G. Exposure range : Not officially set.

### Section 9: physicochemical characteristics

A. Appearance :	Crystalline powder.
B. Odor :	Odorless
C. pH :	3.5–5.5
D. Solubility :	<100mg/l (22°C)
E. Boiling point/ range :	not applicable
F. Melting point/ range :	not applicable
G. Volatility :	not applicable
H. Oxidative :	no data available
I. Vapor pressure :	not applicable
J. Specific gravity(Water=1) :	No data available
K. Odor threshold :	None
L. Vapor density :	Not applicable
M. Viscosity :	No data available
N. Molecular weight :	Complexion of organic and inorganic body
O. Molecular formular :	Complexion of organic and inorganic body

### Section 10: Stability and Reaction Activity

- A. Chemical stability : Stable under normal storage condition.
- B. CONDITIONS TO AVOID: Avoid temperature above 350°C.
- C. Potentially Harmful material occurrence when reaction : Will not occur.

### Section 11: toxicology information

- A. Acute oral toxicity : LD<sub>50</sub>rat : >2000mg/kg
- B. Acute inhalation toxicity : No data available
- C. Subacute toxicity : No data available
- D. Chronic toxicity : No data available

E. Mutagenic influence : No data available

F. New generation influence(reproductive toxicity) : No data available

G. Cancerogenic influence :

- Industrial safety and health regulation : not stated
- Occupational Safety and Health Administration (OSHA): not stated
- National Toxicology Program(NTP): not stated
- International Agency for Research on Cancer(IARC): not stated

## **Section 12: Ecological Information**

A. Aquatic and ecological toxicity : No data available

B. Soil migration : No data available

C. Remainability and resolvability : No data available

D. Accumulation Potentiality inside the body of organisms : No data available

## **Section 13: waste disposal**

A. Current status of management regulation on waste disposal: subjected to the applicable laws

B. Disposal procedures : No data available

C. Disposal cautions : No data available

## **Section 14: Transport Information**

A. Shipping safety standard on hazardous material transportation and regulation on storage : No classification assigned.

B. Transport Cautions :

C. Other foreign-related safety standard on hazardous material transportation and regulation on storage : No classification assigned.

## **Section 15: Regulatory Information**

A. Regulations on the industrial safety and health standard : N

B. Regulations on hazardous chemicals management and others : N C.

Other foreign regulations:

- TSCA INVENTORY STATUS: N
- CERCLA SECTION 103 (40CFR302.4): N
- SARA SECTION 302 (40CFR355.30): N
- SARA SECTION 304 (40CFR355.40): N
- SARA SECTION 313 (40CFR372.65): N
- SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CFR370.21):
  - ACUTE: N
  - CHRONIC: N
  - FIRE: N
  - REACTIVE: N
  - SUDDEN RELEASE: N
- OSHA PROCESS SAFETY (29CFR1910.119): N
- California Proposition 65: N

## **Section 16: Other Information**

CREATION DATE: Jan 05 2016