

Section 1. Product and Company Identification

**Product Name** Melamine Pyrophosphate  
**CAS Number** 15541-60-3

**Parchem - fine & specialty chemicals**

**415 Huguenot Street**

**New Rochelle, NY 10801**

**(914) 654-6800** **(914) 654-6899**

**parchem.com** **info@parchem.com**

EMERGENCY RESPONSE NUMBER  
CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**

Eye Irritation (Category 2A), H319

**GHS Label Elements**

**Pictograms:**



**Signal word:** WARNING

**Hazard and precautionary statements**

**Hazard statement(s)**

H319 Causes serious eye irritation

**Precautionary statement(s)**

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.

P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

P501 Dispose of contents/ container to an approved waste disposal plant.



**HMIS Rating**

**Health:** 1

**Flammability:** 0

**Reactivity:** 0

**Personal Protection:** E

Section 3. Composition / Information on Ingredients

**Common Name** Melamine Pyrophosphate

**Formula**  $C_6H_{16}N_{12}P_2O_7$

**CAS Number** 15541-60-3

COMPONENT	CAS NUMBER	CONCENTRATION
Melamine Pyrophosphate	15541-60-3	100%

Section 4. First Aid Measures

**First Aid for Eye:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**First Aid for Skin:** In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.

**First Aid for Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**First Aid for Ingestion:** If swallowed, call a physician immediately

Section 5. Firefighting Measures

**Flammability:** Non-Flammable

**Flash Points:** Not Applicable

**Auto-Ignition:** Not Applicable

**Flammable Limits:** Not Applicable

**Extinguishing Media:** Water, Carbon Dioxide or Dry Chemical Foam

**Fire Fighting Procedure:** Wear self-contained, positive pressure breathing apparatus.

**Fire/Explosion Hazards:** As with many solids, any dust that is generated may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.

Section 6. Accidental Release Measures

**Spill or Leak Procedures:** Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water. Collect wash water for approved disposal. Keep from entering water or ground water



#### Section 7. Handling and Storage

**Storage Temperatures:** Store at ambient temperature

**Shelf Life:** Unlimited in tightly closed container.

**Special Sensitivity:** None

**Handling/Storage Precautions:** Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials (see Section 10). Reseal containers immediately after use. Store away from food and beverages.

#### Section 8. Exposure Controls / Personal Protection

**Eye Protection:** Safety glasses or goggles.

**Skin Protection:** PVC gloves with impervious boots, apron or coveralls. Employees should wash their hands and face before eating, drinking or using tobacco products.

**Respirator:** Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.

**Ventilation:** Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.

**Additional Protective Measures:** Emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of hazardous chemicals.

#### Section 9. Physical and Chemical Properties

**Physical Form:** Fine Crystalline Powder

**Color:** White

**Odor:** Odorless

**Molecular Weight:** 430.23

**Boiling Point:** Starts to Decompose ~350°C

**Melting/Freezing Point:** Starts to Decompose ~350°C

**Solubility In Water:** ~0.08g/100ml at ambient temperature

**Specific Gravity:** Not Established

#### Section 10. Stability and Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Incompatibilities:** No specific incompatibility

**Instable Conditions:** Excessive temperatures (see Incompatibilities).

**Decomposition Temperature:** Starts to Decompose ~350°C

**Decomposition Products:** Thermal decomposition may produce carbon monoxide, ammonia, oxides of nitrogen, oxides of phosphorous and or hydrogen cyanide.



Section 11. Toxicological Information

**RTECS Number:** N/A

**Routes of Exposure:** Eye contact. Ingestion. Inhalation. Skin contact.

**Toxicity Data:** Oral LD50 (rats) > 5000 mg/kg Dermal LD50 (rabbit) > 2000 mg/kg

**Chronic Toxic Effects:** This product has no known chronic effects. Repeated or prolonged exposure to this compound is not known to aggravate medical conditions.

**Acute Toxic Effects:** Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane. Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation.

Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.

Section 12. Ecological Information

**Ecotoxicity:** Not available at this time.

Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

**Proper Shipping Name:** Melamine Pyrophosphate

**UN Number:** N/A

**Class:** N/A

**P.G.:** N/A

**Label Code:** N/A

Section 15. Regulatory Information

**OSHA Status:** This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

**TSCA Chemical Inventory:** This compound is on the EPA Toxic Substance Control Act (TSCA) inventory list

**California Proposition 65:** To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.

**SARA 313 Title III**

**Section 302 Extremely Hazardous Substances:** None

**Section 311/312 Hazardous Categories:** None

**Section 313 Toxic Chemicals:** None



Section 16. Other Information

**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 6/23/2015

