Hummel Croton Inc.
10 Harmich Rd.
South Plainfield, NJ 07080
www.HummelCroton.com
Phone: 908-754-1800
Fax: 908-754-1815

In Case Of Emergency Call Chemtrec®
(U.S.) (800) 424-9300
(International) (703) 527-3887

Melamine Phosphate
Safety Data Sheet

1. Product and Company

Product name:	Melamine Phosphate
Synonym:	Melamine Orthophosphate, Melamine Phosphate 1:1
CAS-No.:	20208-95-1
Company:	Hummel Croton Inc. 10 Harmich Rd. South Plainfield, NJ 07080
Telephone:	908-754-1800
Fax:	908-754-1815

HMIS Rating	
Health	1
Flammabilitiy	0
Reactivity	1
Personal Protection	E

Emergency telephone number

Emergency Phone #:	Chemtrec US: 800-424-9300 Chemtrec International: 703-527-3887

2. Hazards

GHS Label Elements

GHS Classification: Eye Irritation (Category 2a), H319

Pictogram(s)

Signal word **WARNING**

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.

Hazards not otherwise classified (HNOC) or not covered by GHS

None.

3. Composition/Ingredients

Substance
Formula: $C_3H_9N_6PO_4$
Molecular weight: 224.12 g/mol
CAS-No.: 20208-95-1

Material	CAS	%	OSHA	ACGIH
Melamine Phosphate	20208-95-1	100%	15 mg/m^3 as Nuisance Dust	15 mg/m^3 as Nuisance Dust

4. First Aid

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.

5. Fire Data

Flammability: Non-Flammable
Flash Point: Not Applicable
Auto Ignition: Not Applicable
Flammable Limits: Not Applicable
Extinguishing Media: Water spray, carbon dioxide or dry chemical foam.
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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.

6. Accidental Release

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.

7. Handling And Storage

Storage Temperatures: Store at ambient temperature
Shelf Life: Unlimited in tightly sealed 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. Reseal containers immediately after use. Store away from food and beverages.

8. Exposure Controls/Personal Protection

Eye Protection: Safety glasses or goggles.
Skin Protection: PVC gloves with impervious boots, apron or coveralls. Wash hands and face before eating, drinking or using tobacco.
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 Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe handling of hazardous chemicals.

9. Physical And Chemical Properties

Physical Form: Fine Crystalline Powder
Color: White
Odor: Odorless
Molecular Weight: 224.12 g/mol
Boiling Point: Begins to decompose 300°C
Melting/Freezing Point: Begins to decompose 300°C
Solubility In Water: 0.7 g/100mL at ambient temperature
Specific Gravity: Not established

10. Stability And Reactivity

Stability: Stable.
Hazardous Polymerization: Will not occur.
Incompatibilities: No specific incompatibilities known.
Instable Conditions: Excessive temperatures (see incompatibilities).
Decomposition Temperature: Begins to decompose 300°C

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

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 prolong 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.

12. Ecological Information

Ecotoxicity: Not available at this time.

13. Disposal Considerations

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

14. Transportation Information

Proper Shipping Name: Melamine Phosphate
UN Number: N/A
Class: N/A
P.G.: N/A
Label Code: N/A

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 320 Extremely Hazardous Substances: None
- Section 311/312 Hazardous Categories: None
- Section 313 Toxic Chemicals: None

16. Other Information

Prepared By: Michael Richard
Date: June 1, 2015
Reason For Issue: GHS Compliance

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