



Hummel Croton Inc.  
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In Case Of Emergency Call  
(U.S.) 800-424-9300  
(International) +1-813-248-3924

## Melamine Safety Data Sheet

### 1. Product and Company

Product name: Melamine

Synonym: Triamino-s-triazine; 1,3,5-Triazine-2,4,6-Triamine

CAS-No.: 108-78-1

Company: Hummel Croton Inc.  
10 Harmich Rd.  
South Plainfield, NJ 07080

Telephone: 908-754-1800  
Fax: 908-754-1815

HMIS Rating	
Health	0
Flammability	1
Reactivity	0
Personal Protection	E

Emergency telephone number

Emergency Phone #: Chemtrec US: 800-424-9300  
ChemTel International: +1-813-248-0585

### 2. Hazards

GHS Classification Combustible dust

#### GHS Label elements

Pictogram(s) Not a hazardous substance or mixture.

Signal word **WARNING**

Hazard statement(s)

May form combustible dust concentrations in air

Precautionary statement(s)

None

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

Combustible dust.

### 3. Composition/Ingredients

Substance

Formula:  $C_3H_6N_6$   
Molecular weight: 126.13 g/mol  
CAS-No.: 108-78-1

Material	CAS	%	OSHA	ACGIH
Melamine	108-78-1	100%	15 mg/m <sup>3</sup> as Nuisance Dust	15 mg/m <sup>3</sup> 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 or fog, carbon dioxide, or dry chemical.

Fire Fighting Procedure: Firefighters should wear self-contained breathing apparatus and 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: Powder

Color: White

Odor: Mild

Molecular Weight: 126.13 g/mol

Boiling Point: Not established

Melting/Freezing Point: Sublimes >250°C

Solubility In Water: Slight

Specific Gravity: 1.573

## 10. Stability And Reactivity

Stability: Stable.

Hazardous Polymerization: Will not occur.

Incompatibilities: Oxidizers

Instable Conditions: Excessive temperatures (see incompatibilities).

Decomposition Temperature: Sublimes above 250°C

Decomposition Products: Thermal decomposition may produce carbon monoxide, ammonia, oxides of nitrogen, 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) 3160 mg/kg. No primary skin irritation was produced in animal and human testing

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.

## 12. Ecological Information

Algae Test Results - Test: Growth Inhibition (OECD 201)

Duration: 96 hr

Species: Algae

325 mg/l EC50

Fish Test Results - Acute toxicity, freshwater (OECD 203)

Duration: 28 day

Species: Rainbow Trout (*Oncorhynchus mykiss*)

3000 mg/l LC50

Invertebrate Test Results - Test: Acute Immobilization (OECD 202)

Duration: 48 hr

Species: Water Flea (*Daphnia magna*)

>1000 mg/l EC50

## 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

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

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Reason For Issue: Emergency Contact Update

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