



## ABATRON, INC.

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24 Hour Emergency No: (800) 424-9300

# Material Safety Data Sheet

## SECTION 1: Product Identification

**Product Name:** MasterMold 12-3 Part A  
**Product Class:** Polyurethane Prepolymer

**Product Code:** 12-3A  
**Product Type:** Elastomer paste

**Manufacturer/Supplier:** Abatron Incorporated  
5501 95<sup>th</sup> Ave., Kenosha WI, 53144  
Phone: 262-653-2000

**Effective Date:** November 25, 2013

**Telephone:** For 24 Hour Emergency Assistance  
Call CHEMTREC (800) 424-9300

## SECTION 2: Hazard Identification

**Material Classification:** Classified by OSHA 29CFR 1910.1200 as a Hazardous Material

### **Emergency Overview:**



Blue paste with slight phenolic odor. Danger! May cause allergy or asthma symptoms or breathing difficulties if inhaled. Warning! Harmful if inhaled. Causes eye, skin and respiratory irritation. May cause an allergic skin reaction. This product contains a material suspected of causing cancer. May cause damage to lungs through inhalation.

## SECTION 3: Composition/Ingredient Information

**Composition:** Trade secret. Contains Alkyl Phenol.

## SECTION 4: First-Aid Measures

**Eye Contact:** Causes eye irritation. May cause pain, tearing, reddening and swelling. May cause temporary corneal injury. Flush with clean, lukewarm water for at least 15 minutes holding eyelids open the entire time. Remove contact lenses, if any. Get medical attention.

**Skin Contact:** Causes skin irritation. May cause reddening, swelling, rash, scaling and blistering. May cause allergic skin reaction and skin sensitization. Remove contaminated clothing immediately. Wash off with soap and water. Use lukewarm water, if possible. Wash contaminated clothing before reuse. Get medical attention if irritation persists.

**Inhalation:** Causes respiratory tract irritation. May cause a burning sensation in the nose and throat and possibly chest pain and/or chest tightness. May cause allergic respiratory reaction. Harmful if inhaled.

Respiratory sensitizer. Lung damage may be permanent. Can cause central nervous system depression, nausea, lightheadedness, drowsiness, dizziness and loss of co-ordination. Move to an area free from risk of further exposure. Get immediate medical attention. If breathing has stopped, perform artificial respiration. If breathing is difficult, have qualified personnel administer oxygen. Asthmatic symptoms may develop and may be immediate or delayed up to several hours.

**Ingestion:** May cause irritation, abdominal pain, nausea, vomiting and diarrhea. Do not induce vomiting. Wash out mouth with water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not give anything by mouth to an unconscious person. Seek medical attention.

### **SECTION 5: Fire-Fighting Measures**

**Flash Point:** >230°F (110°C)

**Method Used:** ASTM D3278-96

**Flammable Limits (STP in Air)**

**LFL:** N/A    **UFL:** N/A

**Extinguishing Media:** Dry chemical, carbon dioxide, high expansion chemical foam, water spray for large fires.

**Specific Hazards and Procedures:** Avoid contact with product. During a fire, isocyanate vapors and other irritating, highly toxic gases may be generated by thermal decomposition or combustion.

**Specific Fire Fighting Equipment:** Full emergency equipment with self-contained breathing apparatus and full protective clothing (such as rubber gloves, boots, bands around legs, arms and waist) should be worn by fire fighters. No skin surface should be exposed. Decontaminate equipment and protective clothing prior to reuse.

### **SECTION 6: Accidental Release Measures**

**Personal Protective Measures:** Use appropriate personal protective equipment during clean up. Evacuate and keep unnecessary people out of spill area. Vapors and gases may be highly toxic. Remove all sources of ignition.

**Clean Up/Disposal Method:** Dike or dam spilled material and control further spillage, if possible. Cover spill with inert material and collect for proper disposal. Do not allow spilled material or wash water to enter sewers, surface waters, or ground water systems. Waste material must be disposed of in accordance with Federal, State and local environmental control laws.

### **SECTION 7: Handling and Storage**

**Precautions:** Practice good caution and personal cleanliness to avoid eye and skin contact. Avoid breathing vapors if generated. Use with adequate ventilation. Avoid contact with skin and eyes. Do not taste or swallow. Wear appropriate personal protective clothing. Wash thoroughly after handling. Decomposition products can be highly toxic and irritating.

**Storage Information:** Store in tightly closed containers to prevent moisture contamination. Do not reseal if contamination is suspected. Keep container in a dry, cool and well-ventilated place.

**SECTION 8: Exposure Controls/Personal Protection****Occupational Exposure Limits:**

ACGIH (TLV/TWA): Aluminum hydroxide (CAS# 21645-51-2): 1 mg/m<sup>3</sup>  
Titanium dioxide (CAS# 13463-67-7): 1 mg/m<sup>3</sup>

OSHA (PEL/TLV): Amorphous Silica (CAS# 7631-86-9): 6 mg/m<sup>3</sup>  
Titanium dioxide (CAS# 13463-67-7): 10 mg/m<sup>3</sup>

**Engineering Controls:** Work in well-ventilated areas.

**Personal Protective Equipment**

**Respiratory:** Wear a NIOSH-certified respirator as necessary.

**Skin Protection:** Butyl rubber, nitrile rubber or neoprene gloves should be worn. Cover as much of the exposed skin area as possible with appropriate clothing. Disposable containers and paper in work area.

**Eye Protection:** Safety glasses with side-shield. Safety goggles are also recommended.

**Other:** Do not drink, eat or smoke while using material. Wash face, hands and arms before drinking, eating or smoking.

**SECTION 9: Physical and Chemical Properties**

**Appearance:** Blue paste

**Odor Threshold:** N/A

**Melting Point/Freezing Point:** ~ 3.89°C (39°F)

**Flash Point:** >230°F (110°C)

**Explosive Limits:** N/A

**Vapor Pressure:** 3 mmHg @ 68°F (20°C)

**Specific Gravity:** 0.93-1.0

**Auto-Ignition Temp.:** N/A

**Decomposition Temperature:** N/A

**Odor:** Slight phenolic odor

**pH:** N/A

**Boiling Point:** ~300°C (572°F)

**Evaporation Rate:** N/A

**Flammability Limits:** N/A

**Vapor Density (Air = 1):** N/A

**Solubility:** Insoluble

**Partition Coefficient:** N/A

**Viscosity:** N/A

**SECTION 10: Stability and Reactivity**

**Stability:** Stable up to 248°F. Prolonged excessive heat may cause partial degradation.

**Incompatibility:** Amines, strong oxidizing agents, strong acids, strong bases.

**Hazardous Decomposition Products:** Oxides of carbon and nitrogen, hydrogen cyanide, isocyanate, isocyanic acid, formaldehyde.

**Hazardous Polymerization:** None.

**SECTION 11: Toxicological Information**

**Routes of Exposure:** Inhalation, skin contact, eye contact, ingestion.

**Primary Symptoms:** Causes eye, skin and respiratory tract irritation. May cause pain, tearing, reddening and swelling if eye contact occurs. May cause temporary corneal injury. May cause reddening, swelling, rash, scaling and blistering when in contact with skin. May cause allergic skin and respiratory reaction and sensitization. May cause a burning sensation in the nose and throat and possibly chest pain and/or chest tightness. Harmful if inhaled. Lung damage may be permanent. Can cause central nervous system depression, nausea, lightheadedness, drowsiness, dizziness and loss of co-ordination. May cause irritation, abdominal pain, nausea, vomiting and diarrhea if ingested.

**Effects of Overexposure:** May cause lung damage. May cause liver damage. Prolonged vapor contact may cause conjunctivitis.

#### **Acute Toxicity**

**Oral LD50 (Rat) :** >3809 mg/kg

**Dermal LD50 (Rat) :** >2076 mg/kg

**Carcinogenicity:** This product contains a material listed by the IARC as possibly carcinogenic to humans based on inadequate data in humans and sufficient data in animals.

#### **SECTION 12: Ecological Information**

**Ecotoxicity:** No data is available on the product itself.

**Persistence/Degradability:** No data available.

**Bioaccumulation:** No data is available on the product itself.

**Mobility in Soil:** No data available.

**Other Adverse Effects:** No data available.

#### **SECTION 13: Disposal Considerations**

**Waste Disposal:** All disposals must be in accordance with Federal, State and Local laws and regulations.

#### **SECTION 14: Transportation Information**

##### **DOT/IATA:**

**Proper Shipping Name:** Not Regulated

**Hazardous Class:** Not Regulated

**ID Number:** Not Regulated

**Packing Group:** Not Regulated

**Marine Pollutant:** N/A

**Special Precautions:** N/A

#### **SECTION 15: Regulatory Information**

**HCS Classification:** Classified by OSHA 29CFR 1910.1200 as a Hazardous Material.

**TSCA Status:** All of the materials in this product are not subject to TSCA 12 (b).

**SARA 311/312 Class:** This mixture contains materials listed as immediate and delayed health hazards as well as a fire hazard.

**SARA 313:** The following materials can be found on the SARA 313 Toxic Release Inventory list: None

**Other Regulations:** This product contains materials found listed in California's Proposition 65 as a carcinogen and Washington State's Chemicals of High Concern to Children (CHCC).

**SECTION 16: Other Information**

**Created:** August 19, 2008

**Last Updated:** November 25, 2013

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# Material Safety Data Sheet

## SECTION 1: Product Identification

**Product Name:** MasterMold 12-3 Part B  
**Product Class:** Formulated PU Coreactant

**Product Code:** 12-3B  
**Product Type:** Curing Agent Paste

**Manufacturer/Supplier:** Abatron Incorporated  
5501 95<sup>th</sup> Ave., Kenosha WI, 53144  
Phone: 262-653-2000

**Effective Date:** November 25, 2013

**Telephone:** For 24 Hour Emergency Assistance  
Call CHEMTREC (800) 424-9300

## SECTION 2: Hazard Identification

**Material Classification:** Classified by OSHA 29CFR 1910.1200 as a Hazardous Material

### **Emergency Overview:**



Yellow, thixotropic paste with light ammonia odor. Danger! Causes severe eye damage. Warning! Harmful if swallowed, inhaled or absorbed by skin. Causes skin and respiratory tract irritation. Causes serious eye irritation. May cause damage to stomach and lungs.

## SECTION 3: Composition/Ingredient Information

**Composition:** Trade secret. Proprietary Formulated Amines.

## SECTION 4: First-Aid Measures

**Eye Contact:** Causes eye burns and severe eye irritation. This product contains corrosive material which may lead to reddening, tearing, swelling, burning and possible permanent damage. May cause blindness. In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Use lukewarm water if possible. Use fingers to ensure that eyelids are separated and that the eye is being irrigated. If easy to do so, remove contact lenses. Call a physician immediately.

**Skin Contact:** Causes skin irritation. Harmful if absorbed through skin. This product contains corrosive material which may lead to burning, ulceration and pain. In case of skin contact, wash affected areas with soap and water. Thoroughly clean shoes before reuse. Wash clothing before reuse. Get medical attention if irritation develops and persists.

**Inhalation:** Causes respiratory tract irritation. Harmful if inhaled. Inhalation may cause nausea or dizziness. May cause coughing, sore throat, runny nose. This product contains corrosive material which may lead to burning, ulceration and pain. May cause central nervous system depression, lightheadedness and loss of coordination. If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration using a pocket mask type resuscitator. Call a physician immediately.

**Ingestion:** Harmful if swallowed. May cause severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach. May cause abdominal pain, nausea, vomiting and diarrhea. Ingestion and/or vomiting may cause aspiration into the lungs resulting in chemical pneumonitis. Turn victim's head to the side. Do not induce vomiting. Do not give anything to drink. Get immediate medical attention. Do not give anything by mouth to an unconscious person.

### **SECTION 5: Fire-Fighting Measures**

**Flash Point:** >230°F (110°C)

**Method Used:** ASTM D3278-96

**Flammable Limits (STP in Air)**

**LFL:** N/A      **UFL:** N/A

**Extinguishing Media:** Foam, dry chemical.

**Specific Hazards and Procedures:** Use cold water spray to cool fire-exposed containers to minimize risk of rupture. Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

**Specific Fire Fighting Equipment:** Firefighters should be equipped with full protective clothing and a self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

### **SECTION 6: Accidental Release Measures**

**Personal Protective Measures:** Cleanup personnel must use appropriate personal protective equipment. Evacuate and keep unnecessary people out of spill area. Ventilate area to remove vapors or dust. Remove all sources of ignition.

**Clean Up/Disposal Method:** Do not allow spilled material or wash water to enter sewers, surface waters, or ground water systems. Dike or dam spilled material and control further spillage, if possible. Cover spill with inert material and collect for proper disposal. Scrub with 5% acetic acid to emulsify. Rinse with soap and very hot water. Bury in appropriate landfill.

### **SECTION 7: Handling and Storage**

**Precautions:** Do not breathe vapors. Do not get in eyes. Do not taste or swallow. Use only with adequate ventilation/personal protection. Wash thoroughly after handling. Avoid contact with skin or clothing. Avoid contact with moisture/water. Containers should be kept tightly closed to prevent contamination. When using, do not eat, drink or smoke.

**Storage Information:** Keep containers tightly closed in a dry, cool and well-ventilated place.

**SECTION 8: Exposure Controls/Personal Protection**

**Occupational Exposure Limits:** None.

**Engineering Controls:** Good ventilation should be used. Provide readily accessible eye wash stations and safety showers.

**Personal Protective Equipment**

**Respiratory:** None likely needed. In case of inadequate ventilation wear a NIOSH approved, air-purifying organic vapor respirator.

**Skin Protection:** Clean, body-covering clothing. Disposable plastic or rubber gloves. Disposable containers and paper in work area.

**Eye Protection:** Chemical resistant goggles with side shield must be worn. If splash hazard exists, wear full face shield.

**Other:** Do not drink, eat or smoke while using material. Wash face, hands and arms before drinking, eating or smoking.

**SECTION 9: Physical and Chemical Properties**

**Appearance:** Yellow, thixotropic paste

**Odor Threshold:** N/A

**Melting Point/Freezing Point:** N/A

**Flash Point:** >230°F (110°C)

**Explosive Limits:** N/A

**Vapor Pressure:** N/A

**Specific Gravity:** 1.3-1.5

**Auto-Ignition Temp.:** N/A

**Decomposition Temperature:** N/A

**Odor:** Light ammonia odor

**pH:** N/A

**Boiling Point:** N/A

**Evaporation Rate:** N/A

**Flammability Limits:** N/A

**Vapor Density (Air = 1):** N/A

**Solubility:** N/A

**Partition Coefficient:** N/A

**Viscosity:** N/A

**SECTION 10: Stability and Reactivity**

**Stability:** Stable under normal conditions. Prolonged excessive heat may cause partial degradation.

**Incompatibility:** Acids, iron, aluminum, strong oxidizing agents, sodium hypochlorite.

**Hazardous Decomposition Products:** Carbon oxides, nitrogen oxides, nitric acid, ammonia, formaldehyde.

**Hazardous Polymerization:** None.

**SECTION 11: Toxicological Information**

**Routes of Exposure:** Inhalation, skin contact, eye contact, ingestion.



**Primary Symptoms:** Causes eye burns and severe eye irritation. Causes skin and respiratory tract irritation. This product contains corrosive material which may lead to reddening, tearing, swelling, burning and possible permanent damage through eye contact, burning, ulceration and pain through skin contact and burning, ulceration and pain if inhaled. May cause blindness. Harmful if absorbed through skin, inhaled or swallowed. Inhalation may cause nausea or dizziness. May cause coughing, sore throat, runny nose, central nervous system depression, lightheadedness and loss of coordination. May cause severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach, cause abdominal pain, nausea, vomiting, and diarrhea if ingested.

**Effects of Overexposure:** May cause lung damage. May cause defatting of the skin with symptoms of dryness and cracking. Prolonged vapor contact may cause conjunctivitis.

#### **Acute Toxicity**

**Oral LD50 (Rat) :** >106 mg/kg

**Dermal LD50 (Rat) :** >1463 mg/kg

**Carcinogenicity:** None of the materials in this product are listed by the IARC or NTP as carcinogenic to humans.

### **SECTION 12: Ecological Information**

**Ecotoxicity:** No data is available on the product itself.

**Persistence/Degradability:** No data available.

**Bioaccumulation:** No data is available on the product itself.

**Mobility in Soil:** No data available.

**Other Adverse Effects:** No data available.

### **SECTION 13: Disposal Considerations**

**Waste Disposal:** All disposals must be in accordance with Federal, State and Local laws and regulations.

### **SECTION 14: Transportation Information**

#### **DOT/IATA:**

**Proper Shipping Name:** Not Regulated

**Hazardous Class:** Not Regulated

**ID Number:** Not Regulated

**Packing Group:** Not Regulated

**Marine Pollutant:** N/A

**Special Precautions:** N/A

### **SECTION 15: Regulatory Information**

**HCS Classification:** Classified by OSHA 29CFR 1910.1200 as a Hazardous Material.

**TSCA Status:** All of the materials in this product are not subject to TSCA 12 (b).

**SARA 311/312 Class:** This mixture contains materials listed as immediate and delayed health hazards.

**SARA 313:** The following materials can be found on the SARA 313 Toxic Release Inventory list: None.

**SECTION 16: Other Information**

**Created:** August 19, 2008

**Last Updated:** November 25, 2013

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