

**MT-109**

# HEAT BLOCKER

## SECTION 1 IDENTIFICATION

**Product Code and Name:** MT-109 HEAT BLOCKER

**Chemical Family:** Acrylic

**Intended Use:** Functional Coating

**HMIS Hazard Classification:**

Health	1	Minimal Hazard
Flammability	0	
Personal Protection	0	

**Company Name and Address:** Masters Touch Global Inc, 20000 Plum Canyon Rd# 1721, Santa Clarita CA 91350

**Business Phone:** 661-510-1830

**Emergency Telephone Number:** CHEMTREC 1-800-424-9300 (US and Canada)

## SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

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% by wt	CAS #	INGREDIENT	ACGIH TLV	OSHA PEL	MFR
< 0.5%	7664-41-7	Ammonia	35 ppm	50 ppm	NE

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## ■ SECTION 3 HAZARD IDENTIFICATION

### **Emergency Overview:**

White Opaque Liquid with slight ammonia or amine odor.

Vapors may cause irritation to the respiratory tract. Vapors may cause eye irritation. Contact may cause skin irritation.

### **Route(s) of Entry:**

Eye Contact, ingestion, inhalation, and skin contact.

### **Acute Exposure:**

EYES: Vapors may cause eye irritation. SKIN: May cause skin irritation.

INHALATION: Inhalation may cause irritation to the respiratory tract (nose, throat, and lungs).

INGESTION: Ingestion may irritate mouth, throat, and stomach. Ingestion is not anticipated route of exposure for this material in industrial use.

### **Carcinogenicity:**

This material does not contain 0.1% or more of any chemical listed by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or regulated by the Occupational Safety and Health Administration (OSHA) as a carcinogen.

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## ■ SECTION 4 FIRST AID MEASURES:

### **Eye Contact:**

Move individual away from exposure. Immediately flush eyes with large quantities of clean water for at least 15 minutes. Get immediate medical attention.

### **Skin Contact:**

Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

### **Ingestion:**

Get immediate medical attention. Induce vomiting as directed by medical personnel.

### **Inhalation:**

Remove affected individual (s) to fresh air. Seek medical attention if breathing difficulty develops.

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## ■ SECTION 5 FIRE FIGHTING MEASURES

<b>Flash Point:</b>	Not applicable
<b>Flammable Limits in Air (lower):</b>	Not applicable
<b>Flammable Limits in Air (upper):</b>	Not applicable
<b>Autoignition:</b>	Not applicable

### **General Hazards:**

Containers of this material may build up pressure if exposed to heat (fire). Use water spray to cool fire exposed areas.

### **Fire Fighting Extinguishing Media:**

Use alcohol foam, dry chemical, carbon dioxide or water fog to extinguish fire.

### **Fire Fighting Equipment:**

Wear self-contained breathing apparatus (SCBA) and full fire- fighting protective clothing. Thoroughly decontaminate all protective equipment after use.

### **Fire Fighting Instructions:**

Containers of this material may build up pressure if exposed to heat (fire). Use water spray to cool fire-exposed containers. Use water spray to disperse vapors if a spill or leak has not ignited.

### **Fire and Explosion Hazards:**

This material will not burn unless it is evaporated to dryness.

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## ■ SECTION 6 ACCIDENTAL RELEASE MEASURES

### Accidental Release Measures:

**FOR SMALL SPILLS:** Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.

**FOR LARGE SPILLS:** Persons not wearing protective equipment (see Sections 8) should be excluded from the area of the spill until cleanup has been completed. Stop spill at source. Prevent spilled material from contaminating soil or entering drains, sewers, stream or other bodies of water. Contain spilled material with sand or soil. Immediately notify authorities of any reportable spill as may be required pursuant to regulations. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other waste materials to waste containers for disposal.

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## ■ SECTION 7 HANDLING AND STORAGE

### Handling Information:

Avoid inhalation and contact with eyes, skin, and clothing. Remove and wash contaminated clothing before reuse. Wash hands thoroughly after handling and before eating and drinking. Use adequate ventilation.

Empty drums should be completely drained, properly bunged, and returned to a drum reconditioner or properly disposed.

### Storage Information:

Keep from freezing. Keep container closed when not in use.

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## SECTION 8 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Viscous liquid
<b>Color:</b>	Opaque, White
<b>Odor:</b>	Slight Ammonia
<b>Odor Threshold:</b>	Not available
<b>Physical State:</b>	Liquid
<b>Solubility in Water:</b>	Soluble
<b>Vapor Pressure:</b>	Not available
<b>Specific Gravity:</b>	0.55 (Water = 1)
<b>Bulk Density:</b>	4.5 lbs/gallon
<b>Boiling Point:</b>	> 212°F (>100°C)
<b>Freezing Point:</b>	< 32°F (<0°C)
<b>Evaporation Rate:</b>	< 1 (BuAc=1)
<b>Vapor Density:</b>	> 1 (AIR=1)
<b>% Volatile:</b>	30 % by weight
<b>VOC Content:</b>	< 1% by weight
<b>pH:</b>	7-9.5

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## SECTION 9 STABILITY AND REACTIVITY

**Stability:**

Stable at normal temperatures and storage conditions. See Section 7 for storage information.

**Incompatibility:**

No incompatibilities have been found

**Hazardous Decomposition Products:**

Thermal decomposition may form: carbon monoxide, carbon dioxide, and various hydrocarbons.

**Hazardous Polymerization:**

Hazardous polymerization will NOT occur.

**Conditions to Avoid:**

Temperatures below freezing (< 32°F or 0°C)

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## ■ SECTION 10 TOXICOLOGICAL INFORMATION

### **Acute Eye Toxicity:**

Ammonia is a severe eye irritant(rabbits).

### **Acute Skin Toxicity:**

Ammonia is a severe eye irritant(rabbits).

### **Acute Inhalation Toxicity:**

Ammonia: inhalation LC50(rat), 2000 ppm / 4 hr.

### **Acute Oral Toxicity:**

Ammonia: oral LD50 (rat), 300 mg / kg.

### **Chronic/Carcinogenicity:**

This material does not contain 0.1% or more of any chemical listed by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or regulated by the United States Occupational Safety and Health Administration (OSHA) as a carcinogen.

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## ■ SECTION 11 ECOLOGICAL INFORMATION

### **Ecotoxicity:**

Ammonia: LC50 (daphnia magna), 24 mg/L/48 hr; LC50(fathead minnow), 8.2 mg/L/96 hr.

### **Environmental Fate:**

Acrylic latex based will color water milky white. No bioconcentration of the polymeric materials is expected due to the high molecular weight. The polymeric material is not expected to biodegrade.

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## ■ SECTION 12 DISPOSAL CONSIDERATIONS

**Waste Disposal Method:**

**Not a RCRA hazardous material. Disposal of this material is not regulated under RCRA. Consult federal, state, and local regulations to ensure that this material and its containers are disposed of in compliance with all regulatory requirements.**

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## ■ SECTION 13 TRANSPORT INFORMATION

**DOT: Bulk and Non-Bulk**

**Proper Shipping Name: NOT REGULATED**

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## ■ SECTION 14 REGULATORY INFORMATION

### Occupational Safety and Health Act (OSHA):

This material is not classified as a hazardous chemical under the criteria of the US Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200.

### SARA Title III: Section 302 - Extremely Hazardous Substances (EHS):

Ammonia (7664-41-7)

### SARA Title III: Section 304 - CERCLA:

Ammonia: Reportable Quantity = 100 lbs.

### SARA Title III: Section 311/312 - Hazard Communication Standard (HCS):

This material is not regulated.

### SARA Title III: Section 313 Toxic Chemical List (TCL):

Ammonia (7664-41-7)

### TSCA Section 8(b) - Inventory Status:

All components of this material are listed on the US Toxic Substances Control Act (TSCA) inventory.

### TSCA Section 12(b) - Export Notification:

This material does not contain any components that are subject to the US Toxic Substances Control Act (TSCA) Section 12(b) Export Notification requirements.

### Canadian Inventory Status:

All components of this material are listed on the Canadian Domestic Substances List (DSL).

### Canadian WHMIS:

This material is not classified by the Canadian Workplace Hazardous Material Information System.

### California Proposition 65:

**WARNING** This product is known to contain chemicals listed by the State of California (Safe Drinking Water and Toxic Enforcement Act of 1986) to cause cancer or reproductive toxicity.

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## ■ SECTION 15 OTHER INFORMATION

### **Disclaimer:**

This information is provided in good faith and is correct to the best of The Master's Touch Global' knowledge as of the date hereof and is designed to assist our customers; however, United Surface Technologies makes no representation as to its completeness or accuracy. Our products are intended for sale to industrial and commercial customers. We require customers to inspect and test our products before use and to satisfy themselves as to suitability for their specific applications. Any use which TMTG customers or third parties make of this information, or any reliance on, or decisions made based upon it, are the responsibility of such customer or third party. TMTG disclaims responsibility for damages, or liability, of any kind resulting from the use of this information.

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## WARNING

Although the details and recommendations contained in this product data sheet are based on the best of our knowledge and experience, all the above information must be considered as indicative only.

Users must ensure, through prior testing, that MT-109 is suitable for the intended application and site conditions.

In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

## LEGAL NOTICE

- The contents of this Safety Data Sheet (SDS) may be copied into another project-related document; however, the resulting document shall not supplement or replace the requirements of the SDS in force at the time of application.
  - The most up-to-date SDS can be requested from Masters Touch Global Inc. or downloaded from the official website.
  - Any alteration to the wording, specifications, or requirements contained or derived from this SDS releases the manufacturer from any responsibility.
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