

## Path-Mark™ Margin Ink, Black

### 1. Identification

**Product Name:** Path-Mark™ Margin Ink, Black

**Item #:** MA0116007, MA0116014, MA0116020, MA0116028

**Web SDS:** S59

**Synonyms:** N/A

**Recommended Use:** N/A

**Manufacturer:**

BBC Biochemical  
409 Eleanor Lane,  
Mount Vernon, WA 98273  
1-800-635-4477

**Restrictions on Use:** N/A

**In Case of Emergency:**

Chemtrec US 1-800-424-9300  
Chemtrec International 703-527-3887

### 2. Hazards Identification

**OSHA Hazard Classification(s):**

Skin Irritation - Category 2  
Eye Irritation - Category 2A  
Carcinogenicity - Category 2

**Signal Word:** Warning

**Hazard Statement(s):** Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer.

**Pictogram(s):**



**Precautionary Statement(s):** Prevention: Wash body thoroughly after handling. Wear protective gloves. Wear eye protection, face protection. P0 Wear protective gloves, protective clothing, eye protection and face protection.

Response: If on skin: Wash with plenty of water. Specific treatment (see first aid section on this label). If skin irritation or rash occurs: Get medical attention. Take off all contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing If eye irritation persists: Get medical attention. If exposed or concerned: Get medical attention.

Storage: Store locked up.

Disposal: Dispose of contents/container in accordance with local regulations.

**Descriptions of Hazards not otherwise classified:** N/A

**Percent of mixture with unknown acute toxicity:** N/A

### 3. Composition and Information on Ingredients

Chemical Name	Common Name	CAS #	Concentration %
Carbon Black Pigment		1333-86-4	Trade Secret
Surfactants NV		Trade Secret	Trade Secret
Propylene Glycol		57-55-6	Trade Secret
Water		7732-18-5	Trade Secret
Ammonium Hydroxide 28%		1336-21-6	Trade Secret
Preservatives		Trade Secret	Trade Secret

### 4. First Aid Measures

**Eye Contact:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Skin Contact:** If on skin (or hair): Take off immediately all contaminated clothing and wash before reuse. Wash with plenty of water.



# SAFETY DATA SHEET

## Path-Mark™ Margin Ink, Black

If skin irritation occurs: Get medical advice/attention.

**Inhalation:** Remove to fresh air; give artificial respiration if breathing has stopped. Get medical advice/attention if you feel unwell.

**Ingestion:** Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

**Symptoms:** Irritation eyes, nose, throat; headache, dizziness. Repeat exposure by inhalation increases risk of lung cancer.

**Recommendations for immediate medical care/special treatment:** Get medical advice/attention if you feel unwell.

### 5. Fire- Fighting Measures

**Extinguishing Media:** DO NOT use water, except as FOAM.

**Fire Hazards (Chemical):** Not flammable.

**Special Protective Equipment:** Fire fighters should use self-contained breathing apparatus and protective clothing.

**Precautions for Firefighters:** Fire fighters should use self-contained breathing apparatus and protective clothing.

### 6. Accidental Release Measures

**Emergency Procedures:** Evacuate the area of all unnecessary personnel. Wear suitable protective equipment. Eliminate all sources of ignition and provide ventilation.

**Protective Equipment:** See section 8

**Environmental Precautions:** Prevent release to the environment by using barriers.

**Containment and Clean-Up Procedures:** Use barriers to prevent spreading. Collect spill in container. Call waste authorities.

### 7. Handling and Storage

**Handling:** Do not breathe vapors. Do not eat, drink or smoke when using this product.

**Storage:** Store locked up. Store in a well-ventilated, cool place. Keep lid tightly closed. Store away from oxidizing agents. Store and use in areas away from heat, sparks and open flame.

### 8. Exposure Controls/Personal Protection

**OSHA Permissible Exposure Limits (PELs):**

Reagent	CAS #	OSHA PEL TWA
Carbon Black Pigment	1333-86-4	3.5 mg/m <sup>3</sup>

**ACGIH Threshold Limit Values (TLVs):**

Reagent	CAS #	ACGIH PEL TLV	ACGIH STEL
Carbon Black Pigment	1333-86-4	3 mg/m <sup>3</sup>	

**Engineering Controls:** Use in a well ventilated area to prevent exposure. Maintain eyewash fountain and quick-drench facilities in work areas.

**Personal Protective Measures:** Wear gloves, lab coat, eye protection and impervious footwear. Contact lenses should not be worn when working with this material.

**Special PPE Requirements:** If ventilation hood not available wear respirator.

### 9. Physical and Chemical Properties Section

**Appearance:** Black, Liquid/Paste

**Molecular Weight:** N/A

**Molecular Formula:** N/A

**pH:** N/A

**Boiling Point and Boiling Range:** 365-374°F

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

**Flash Point:** 211°F

**Specific Gravity/Relative Density:** 1.16  
**Odor:** Ammoniacal  
**Odor Threshold:** N/A  
**Color:** Black  
**Flammability (solid/gas):** N/A  
**Vapor Density:** 2.62 Air=1  
**Upper/Lower flammability or explosive limits:** LEL 2.6%, UEL 12.5%  
**Vapor Pressure:** Under 1.0 (BuAct=1)  
**Evaporation Rate:** N/A  
**Partition Coefficient: n-octanol/water:** N/A  
**Viscosity:** N/A  
**Auto-ignition temperature:** N/A  
**Solubility:** N/A  
**Decomposition Temperature:** N/A

### 10. Stability and Reactivity

**Reactivity:** N/A  
**Chemical Stability:** Stable  
**Conditions of Stability/Instability:** N/A  
**Stabilizers needed:** None  
**Safety issue indicated by appearance change:** N/A  
**Other:** N/A  
**Hazardous Reactions:** N/A  
**Hazardous Polymerization:** Does not occur  
**Conditions to avoid:** N/A  
**Classes of Incompatible Materials:** Oxidizers, Strong Acids, Strong Bases  
**Hazardous Decomposition Products:** Thermal-oxidation degradation can produce oxides of carbon. Toxic gases and vapors (I.e. Carbon monoxide) may be released in a fire.

### 11. Toxicological Information

#### Likely Routes of Exposure

**Eyes:** Irritation.  
**Skin:** Irritation.  
**Inhalation:** Dizziness, headache. May cause lung cancer with repeat exposure over time.  
**Ingestion:** Nausea.

**Signs or Symptoms of Exposure:** Nausea.

**Effects from short term exposure (delayed, immediate, chronic):** Irritation to the eyes, nose, throat; headache, dizziness, nausea.

**Acute Toxicity (Numerical Measures):** Carbon black, amorphous LD50(dermal, rat) => 3000mg/kg,  
LD50(oral, rat) => 15400mg/kg

**Carcinogenicity (NTP, IARC, OSHA):** Contains: Carbon black, amorphous IARC Group 2B-Possibly Carcinogenic to Humans.  
Target organs: Lungs

### 12. Ecological Information

**Ecotoxicity:** Carbon black, amorphous EC50 Daphnia magna=5600mg/L, 24hr

**Persistence and degradability:**

**Bioaccumulation Potential (octanol-water partition coefficient, BCF):**

**Mobility in the soil:**

**Adverse Environmental Effects:**

### 13. Disposal Considerations

**Recommended Disposal Containers:** Check with your local waste authorities.\*  
**Recommended Disposal Methods:** Do not dispose of in drains, check with your local waste authorities.\*  
**Physical/Chemical Properties affecting Disposal:** See section 2 and section 9 applicable information.\*  
**Special Precautions for Landfill and Incineration Activities:** Check with your local waste authorities.\*  
**Waste Stream:** Consult your local or regional authorities.\*

### 14. Transport Information

**UN Number:** Not hazardous  
**UN Proper Shipping Name:**  
**Transport Hazard Class(es):**  
**Packing Group Number:**  
**Environmental Hazards (IMDG code):**  
**Marine Pollutant:**  
**Transport in Bulk (IBC Code):**  
**Special Transport Precautions:**

### 15. Regulatory Information

**OSHA:**  
**DOT:**  
**EPA:**  
**CPSC:**

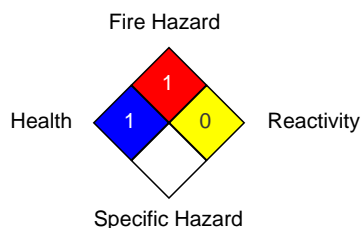
### 16. Other Information

**Revision Date:** 10/27/2014

#### NFPA

Health	1
Fire Hazard	1
Reactivity	0
Specific Hazard	

National Fire Protection Association (USA) NFPA



#### HMIS

Health	1
Flammability	1
Physical Hazard	0
Personal Protection	

Hazardous Material Information System HMIS

Health	1
Flammability	1
Physical Hazard	0
Personal Protection	

#### Notice to Reader:

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