



Safety Data Sheet

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:** Laboratory Reagent**Manufacturer:**BBC Biochemical
409 Eleanor Lane,
Mount Vernon, WA 98273
1-800-635-4477**Restrictions on Use:** Any use other than recommended**In Case of Emergency:**Chemtrec US 1-800-424-9300
Chemtrec International 703-527-3887

2. Hazards Identification

OSHA Hazard Classification(s):

Carcinogenicity - Category 2

Signal Word: Warning**Hazard Statement(s):** Suspected of causing cancer.**Pictogram(s):****Precautionary Statement(s):** Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection and face protection.

Response: 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		Trade Secret	Trade Secret
Propylene Glycol		57-55-6	Trade Secret
Water		7732-18-5	Trade Secret
Ammonium Hydroxide		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. 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. May cause allergic skin reaction.



Safety Data Sheet

Path-Mark™ Margin Ink, Black

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

5. Fire- Fighting Measures

Extinguishing Media: Dry chemical, carbon dioxide, alcohol foam, water.

Fire Hazards (Chemical): None in particular.

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

Precautions for Firefighters: Carbon monoxide and unidentified organic compounds may be formed during combustion.

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. Soak up with inert absorbent material. Collect spill in container. Call waste authorities. Prevent product from entering drains.

7. Handling and Storage

Handling: Do not breathe vapors. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Storage: Store locked up. Keep lid tightly sealed when not in use. Store at room temperature in the original container. Do not freeze.

8. Exposure Controls/Personal Protection

OSHA Permissible Exposure Limits (PELs):

Reagent	CAS #	OSHA PEL TWA
Carbon Black	1333-86-4	3.5 mg/m3

ACGIH Threshold Limit Values (TLVs):

Reagent	CAS #	ACGIH PEL TLV	ACGIH STEL
Carbon Black	1333-86-4	3 mg/m3	IDLH: 1750 mg/m3

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

Molecular Weight: N/A

Molecular Formula: N/A

pH: N/A

Boiling Point and Boiling Range: 187°C

Melting Point/Freezing Point: N/A

Flash Point: 99 °C

Specific Gravity/Relative Density: 0.000

Odor: Ammoniacal

Odor Threshold: N/A

Color: Black

Flammability (solid/gas): N/A



Safety Data Sheet

Path-Mark™ Margin Ink, Black

Vapor Density: 2.62
Upper/Lower flammability or explosive limits: Not explosive
Vapor Pressure: Less than 1.0 mm Hg
Evaporation Rate: N/A
Partition Coefficient: n-octanol/water: N/A
Viscosity: N/A
Auto-ignition temperature: N/A
Solubility: Miscible in water
Decomposition Temperature: N/A

10. Stability and Reactivity

Reactivity: Not Reactive
Chemical Stability: Stable
Conditions of Stability/Instability: Stable under normal conditions of temperature and pressure
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: Exposure to heat, flame and sparks.
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.
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): N/A

Carcinogenicity (NTP, IARC, OSHA): Contains Carbon Black CAS 1333-86-4 IARC Carcinogen Group 2B "possibly carcinogenic to humans".

ACGIH A3 "Confirmed Animal Carcinogen with Unknown Relevance to Humans"

12. Ecological Information

Ecotoxicity: The environmental impact of this product has not been fully investigated.

Persistence and degradability: N/A

Bioaccumulation Potential (octanol-water partition coefficient, BCF): N/A

Mobility in the soil: N/A

Adverse Environmental Effects: Do not allow product to reach ground water, water course or sewage system.

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.*



Safety Data Sheet

Path-Mark™ Margin Ink, Black

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 regulated.

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: N/A

DOT: N/A

EPA: N/A

CPSC: N/A



Safety Data Sheet

Path-Mark™ Margin Ink, Black

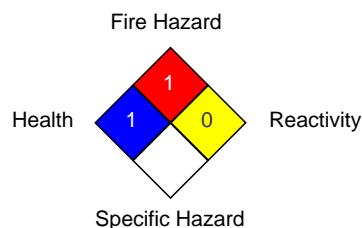
16. Other Information

Revision Date: 02/10/2016

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	

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