

PureAffin® BLOXX™
1. Identification
Product Name: PureAffin® BLOXX

Item #: PBX1

Synonyms: N/A

Recommended Use: Infiltration Medium

Restrictions on Use: N/A

Manufacturer:

 Cancer Diagnostics, Inc.
 4300 Emperor Blvd. #400
 Durham, NC 27703
 1-877-846-5393

In Case of Emergency:

 Chemtrec US 1-800-424-9300
 Infotrac International 1-352-323-3500

2. Hazards Identification
OSHA Hazard Classification(s):

Not a hazardous substance or mixture

Signal Word: N/A

Hazard Statement(s): N/A

Pictogram(s): N/A

Precautionary Statement(s): Prevention: N/A

Response: N/A

Storage: N/A

Disposal: N/A

Descriptions of Hazards not otherwise classified: N/A

Percent of mixture with unknown acute toxicity: N/A

Route of Entry: Inhalation, Skin

Carcinogenic status: Not considered carcinogenic by NTP, IARC and OSHA

Target Organs: N/A

Health Effect:
Skin: Product is minimally irritating to the skin upon contact. Contact with molten material may cause burns.

Inhalation: Fumes from molten material may cause mild respiratory irritation

3. Composition and Information on Ingredients

Chemical Name	Common Name	CAS #	Concentration %
Paraffin		8002-74-2	Trade Secret
Benzene, ethenylmethyl-, polymer with (1-methylethenyl)benzene		9017-27-0	Trade Secret

4. First Aid Measures
Eye Contact: Flush thoroughly with water. Seek medical attention

Skin Contact: Wash contact areas with soap and water. If burned by contact with molten material, seek medical attention.

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Inhalation: Avoid inhalation of fumes. If symptoms develop, move victim to fresh air. If symptoms persist, seek medical attention.

Ingestion: Product is non-toxic. Should stomach discomfort occur, seek medical attention

Recommendations for immediate medical care/special treatment: N/A

5. Fire- Fighting Measures

Extinguishing Media: Dry chemical, CO₂, foam or water fog. Treat as an oil fire, do not use stream of water

Unusual Fire and Explosion Hazards: N/A

Special Protective Equipment: Wear full protective clothing and self-contained breathing apparatus.

Precautions for Firefighters: No data available.

6. Accidental Release Measures

Emergency Procedures: No data available.

Protective Equipment: See section 8

Environmental Precautions: No data available.

Containment and Clean-Up Procedures: Dike or contain molten material. Allow material to solidify, then scrape up solid material. Handle as solid waste clean up. Clean up solid spills to prevent slippery surface conditions.

7. Handling and Storage

Handling: When heated, the vapor/fumes given off may cause respiratory tract irritation. Handle with care and avoid spillage on the floor as it may create a slippery surface.

Storage: Store in cool, dry area away from heat or direct sunlight.

8. Exposure Controls/Personal Protection
OSHA Permissible Exposure Limits (PELs):

Reagent	CAS #	OSHA PEL TWA
Paraffin	8002-74-2	(Vacated) TWA: 2 mg/m ³
Benzene, ethenylmethyl-, polymer with (1-methylethenyl)benzene	9017-27-0	No data available

ACGIH Threshold Limit Values (TLVs):

Reagent	CAS #	ACGIH PEL TLV	ACGIH STEL
Paraffin	8002-74-2	TWA: 2 mg/m ³	N/A
Benzene, ethenylmethyl-, polymer with (1-methylethenyl)benzene	9017-27-0	No data available	No data available

Engineering Controls: No specific measures necessary. Adequate ventilation to avoid buildup of fumes.

Personal Protective Measures and Special PPE Requirements:
Solid Phase (Room temperature)

Respiratory protection: No data available

Hand protection: Not required

Eye protection: Not required

Body protection: Not required

Liquid Phase (56-58°C)

Respiratory protection: No data available

Hand protection: Insulated gloves recommended to protect hands from molten wax at high temperature

Eye protection: Chemical goggles or safety glasses with side shields.

Body protection: Additional protective clothing and/or equipment as required to prevent contact with molten wax.

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9. Physical and Chemical Properties Section

Appearance: White, Solid
Molecular Weight: N/A
Molecular Formula: N/A
pH: N/A
Boiling Point and Boiling Range: N/A
Melting Point/Freezing Point: 56-58 °C
Flash Point: 415°F
Specific Gravity/Relative Density: N/A
Odor: Odorless
Odor Threshold: N/A
Color: White
Flammability (solid/gas): N/A
Vapor Density: N/A
Upper/Lower flammability or explosive limits: N/A
Vapor Pressure: N/A
Evaporation Rate: N/A
Partition Coefficient: n-octanol/water: N/A
Viscosity: N/A
Auto-ignition temperature: 245 °C (100% Paraffin)
Solubility: Insoluble in water
Decomposition Temperature: N/A

10. Stability and Reactivity

Reactivity:
Chemical Stability: Stable under normal conditions.
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: Avoid heating above 300 F to prevent build-up of fumes.
Classes of Incompatible Materials: Strong Oxidizing Agents
Hazardous Decomposition Products: Material does not decompose at ambient temperatures.

11. Toxicological Information

Likely Routes of Exposure

Eyes: No data available

Skin: No data available

Inhalation: No data available

Ingestion: No data available

Genotoxicity: This product is not expected to cause any mutagenic effects.

Signs or Symptoms of Exposure:

Effects from short term exposure (delayed, immediate, chronic): No data available

Acute Toxicity (Numerical Measures):

Oral LD50 : Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg.

Dermal LD50 : Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg.

Mist LC50 : Based on ATE data, the classification criteria are not met. ATE > 5 mg/l.

Chronic toxicity carcinogenicity:

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Paraffin: when implanted in rats (120 mg/kg) and mice (480-660 mg/kg), caused tumors of the bladder, lungs and thorax.

Product does not have any harmful effects based on available information.

12. Ecological Information

Ecotoxicity: N/A
Persistence and degradability: N/A
Bioaccumulation Potential (octanol-water partition coefficient, BCF): N/A
Mobility in the soil: N/A
Adverse Environmental Effects: N/A

We have no quantitative data concerning the ecological effects of this product.

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

14.1 UN Number DOT, IATA,IMDG, ADR	DOT: Not Regulated for Transport by DOT. ADR/RID: Not Regulated for Transport by ADR/RID. IMDG: Not Regulated for Transport by IMDG. IATA: Not Regulated for Transport by IATA.
14.2 UN Proper Shipping Name DOT, IATA,IMDG, ADR	ADR/RID: Not Regulated for Transport by ADR/RID. IMDG: Not Regulated for Transport by IMDG. IATA: Not Regulated for Transport by IATA. DOT: Not Regulated for Transport by DOT.
14.3 Transport Hazard Class(es)	DOT: Not Regulated for Transport by DOT. IATA: Not Regulated for Transport by IATA. IMDG: Not Regulated for Transport by IMDG. ADR/RID: Not Regulated for Transport by ADR/RID.
14.4 Packing Group DOT, IATA,IMDG, ADR	ADR/RID: Not Regulated for Transport by ADR/RID. IMDG: Not Regulated for Transport by IMDG. IATA: Not Regulated for Transport by IATA. DOT: Not Regulated for Transport by DOT.
14.5 Environmental Hazards	Marine Pollutant: No
14.6 Special Precautions for User	Not applicable.

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15. Regulatory Information

OSHA:

DOT:

EPA:

CPSC:

EU Label Information: Labelling has been performed according to EU directives 67/548/EEC and 99/45/EC including Amendments.

EU Hazard Symbol and Indication of Danger: Classification has been performed according to EC Commission Directive 67/548/EEC.

R phrase: none

S phrases: none

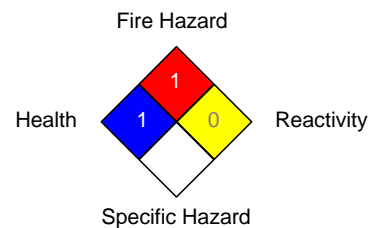
16. Other Information

Revision Date: 2019-01-11

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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