

Ultraffin BLUE

1. Identification

Product Name: Ultraffin e BLUE™ Infiltration and Embedding Paraffin

Item #: EEPAR2-B-U

Synonyms: N/A

Recommended Use: Infiltration, Embedding

Restrictions on Use: N/A

Manufacturer:

In Case of Emergency:

Cancer Diagnostics, Inc.

Chemtrec US 1-800-424-9300

4300 Emperor Blvd. #400

Durham, NC 27703

1-877-846-5393

2. Hazards Identification

OSHA Hazard Classification(s):

Skin Sensitizer - Category 1

Signal Word: Warning

Hazard Statement(s): May Cause an allergic skin reaction.

Pictogram(s):



Precautionary Statement(s): Prevention: Avoid breathing dust/fume/gas/mist/vapors/spray.

Response: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Storage: Keep container tightly closed. Keep cool.

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

Route of Entry: Eye contact, skin contact, Ingestion.

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

Target Organs: Eye, Skin, Liver.

Health Effect:

Eyes: Contact may cause slight transient irritation.

Skin: Material may cause irritation.

Ingestion: A large dose may have the following effects:- nausea, vomiting, diarrhoea, abdominal pain, intestinal obstruction, liver damage..

Inhalation: No adverse effects are expected during normal conditions of use. Inhalation of paraffin wax fumes during heating may irritate the eyes, nose and throat.

3. Composition and Information on Ingredients

Chemical Name	Common Name	CAS #	Concentration %
Paraffin		8002-74-2	Trade Secret
Polyisobutene		9003-27-4	Trade Secret
Solvent Blue 36		14233-37-5	Trade Secret

4. First Aid Measures

Eye Contact: Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

Skin Contact: If skin irritation develops, or other symptoms occur, discontinue use. Seek medical attention if symptoms persist.

Ultraffin BLUE

Inhalation: If there is difficulty in breathing, give oxygen. Seek medical attention if symptoms persist.

Ingestion: Do not induce vomiting. Have victim drink 1-3 glasses of water to dilute stomach contents. Never administer anything by mouth if a victim is losing consciousness, is unconscious or is convulsing. Obtain medical attention immediately.

Recommendations for immediate medical care/special treatment: Treat symptomatically

5. Fire- Fighting Measures

Extinguishing Media: Not flammable. Select extinguishing agent appropriate to other materials involved.

Unusual Fire and Explosion Hazards: This product may give rise to hazardous fumes in a fire.

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: This product may be collected by carefully scooping into a pan, paper towels or other absorbent material. If wax is hot, let cool before initiating clean up. To clean-up spills of cooled wax, use non sparking tools to scrape the wax into suitable containers for disposal. Wear appropriate protective clothing.

7. Handling and Storage

Handling: Keep container tightly closed when not in use.

Storage: Storage area should be:- cool, dry, well ventilated away from incompatible materials.

8. Exposure Controls/Personal Protection

OSHA Permissible Exposure Limits (PELs):

Reagent	CAS #	OSHA PEL TWA
Paraffin	8002-74-2	(Vacated) TWA: 2 mg/m3
Polyisobutene	9003-27-4	N/A
Solvent Blue 36	14233-37-5	N/A

ACGIH Threshold Limit Values (TLVs):

Reagent	CAS #	ACGIH PEL TLV	ACGIH STEL
Paraffin	8002-74-2	TWA: 2 mg/m3	N/A
Polyisobutene	9003-27-4	N/A	N/A
Solvent Blue 36	14233-37-5	N/A	N/A

Engineering Controls: No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels. Heating of this product may generate vapours or fumes, therefore, local exhaust ventilation is recommended to keep airborne concentrations below exposure limits.

Personal Protective Measures and Special PPE Requirements:

Respiratory protection: Respiratory protection if there is risk of breathing mists or vapors from heated material. The specific respirator selected must be based on the airborne concentration found in the workplace and must not exceed the working limits of the respirator.

Hand protection: Chemical resistant gloves.

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

Body protection: Normal work wear.

9. Physical and Chemical Properties Section

Appearance: Pale Blue, Solid pellets

Molecular Weight: N/A

Ultraffin BLUE

Molecular Formula: N/A
pH: N/A
Boiling Point and Boiling Range: N/A
Melting Point/Freezing Point: 54-57 °C
Flash Point: 204°C
Specific Gravity/Relative Density: N/A
Odor: Odorless
Odor Threshold: N/A
Color: Pale blue
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: Heat - high temperatures
Classes of Incompatible Materials: Strong Acids, Reducing agents.
Hazardous Decomposition Products: Acid smoke and irritating fumes – Oxides of carbon.

11. Toxicological Information

Likely Routes of Exposure

Eyes: Irritation.

Skin: Irritation.

Inhalation: Dizziness, headache

Ingestion: Nausea

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

Signs or Symptoms of Exposure:

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

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:

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

Ultraffin BLUE**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**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:****UN Proper Shipping Name:****Transport Hazard Class(es):****Packing Group Number:****Environmental Hazards (IMDG code):****Marine Pollutant:** No**Transport in Bulk (IBC Code):** N/A**Special Transport Precautions:** Consult current IATA Regulations prior to shipping by air.**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

Ultraffin BLUE

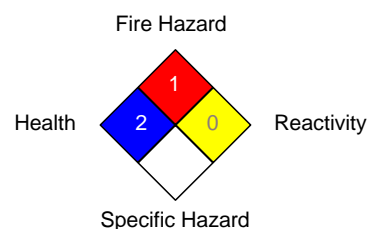
16. Other Information

Revision Date: 11/15/2017

NFPA

Health	2
Fire Hazard	1
Reactivity	0
Specific Hazard	

National Fire Protection Association (USA) NFPA



HMIS

Health	2
Flammability	1
Physical Hazard	0
Personal Protection	

Hazardous Material Information System HMIS

Health	2
Flammability	1
Physical Hazard	0
Personal Protection	

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