

BBC Biochemical

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Information

Common Name: Freeze Mount™	Code: 6710
Supplier: BBC Biochemical	MSDS#: 6710
Synonym: None	Validation Date: 3-27-09
Trade Name: None	Print Date: 3-27-09
Material Uses: Freezing Medium designed to support tissue blocks in preparing cryostat sections of frozen specimens.	Responsible Name: Dr. B
Manufacturer: BBC Biochemical PO Box 1320 409 Eleanor Lane Mount Vernon, WA 98273 1-800-635-4477	In Case of Emergency: 1-800-424-9300 Chemtrec USA 1-202-483-7616 Chemtrec Intrl 1-800-635-4477

Section 2. Composition and Information on Ingredients

Name	CAS#	OSHA PEL/WA	OSHA PEL/STEL
1) Polyvinyl Alcohol	9002-89-3	10.24 %	
2) Polyethylene glycol	25322-68-3	4.26 %	
3) Non-reactive ingredient		0.15 %	
4) Deionized water	7732-18-5	85.50 %	

Section 3. Hazards Identification

Physical State and Appearance	Viscous, clear to pale yellow, slight alcohol odor.
Emergency Overview	Not available.
Routes of Entry	Eyes, skin, ingestion.
Potential Acute Health Effects	
Eyes	May cause mild irritation.
Skin	Prolonged contact may cause mild discomfort.
Inhalation	Not applicable.
Ingestion	Swallowing may cause gastrointestinal irritation.
Potential Chronic Health Effects	Not available
Medical Conditions Aggravated by Overexposure	Not available.
Overexposure/Signs/Symptoms	Not available.

Section 4. First Aid Measures

Eye Contact	Flush eyes immediately with water for at least 15 minutes with eyes and eyelids raised. Transport to hospital for further medical attention.
Skin Contact	Contaminated clothing should be removed immediately. The affected body areas should be flushed with water for a period of approximately 15 minutes. Seek medical attention if irritation develops.
Inhalation	The patient should be transported away from exposure and brought to fresh air. If not breathing administer artificial respiration. If breathing is difficult, give oxygen. Transport to the hospital for care.
Ingestion	If the patient is conscious, wash out mouth with water and have patient drink a glass of water or milk to dilute the material. Transport to the hospital for care.
Notes to Physician	

Section 5. Fire Fighting Measures

Flammability of the Product	Not available.
Auto-ignition Temperature	
Flash Points	Greater than 450 degrees Fahrenheit

Flammable Limits	Not available.
Products of Combustion	Not available.
Fire Hazards in Presence Of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	
Fire Fighting Media and Instructions	Wear self-contained breathing apparatus with full body protection.
Protective Clothing (Fire)	
Special Remarks on Fire Hazards	Extinguishing methods: Water fog, regular foam, dry chemicals, or carbon dioxide.
Special Remarks on Explosion Hazards	

Section 6. Accidental Release Measures

Small Spill and Leak	Contain spill, Absorb using suitable media.
Large Spill and Leak	Not applicable

Section 7, Handling and Storage

Handling	Avoid contact with eyes, skin, and clothing.
Storage	Store in a cool, well-ventilated area. All electrical equipment in storage and/or handling areas should be installed in accordance with applicable requirements of the National Electrical Code (NEC). Avoid contact with eyes, skin, and clothing. Avoid breathing mists.

Section 8. Exposure Controls / Personal Protection

Engineering Controls	
Personal Protection	
Eyes	Chemical splash goggles.
Body	Use appropriate resistant gloves and normal laboratory work clothing.
Respiratory	Not normally required. General mechanical or local exhaust should be used to maintain low exposure levels. Avoid prolonged periods of directly breathing vapors. In absence of proper environmental controls, the use of a NIOSH/OSHA respirator is recommended. Respirator use should comply with OSHA 29 CFR 1910.134
Hands	
Feet	
Personal Protection in Case of a Large Spill	Use appropriate resistant gloves, chemical splash goggles and normal laboratory work clothing.
Product Name	Exposure Limits
1)	
2)	
3)	
Consult Local authorities before acceptable exposure limits.	

Section 9. Physical and Chemical Properties

Physical State and Appearance	Viscous, clear to pale yellow, slight alcohol odor.	Odor:	Not available.
Molecular Weight	Not applicable.	Taste:	Not available.
Molecular Formula	Not applicable.	Color:	Not available.
pH (1%/Water)	Not applicable.		
Boiling/Condensation Point	Not applicable.		
Melting/Freezing Point	Not applicable.		
Critical Temperature	Not applicable.		
Specific Gravity	Not applicable.		
Vapor Pressure	Not applicable.		
Vapor Density	Not applicable.		
Volatility	Not applicable.		
Odor Threshold	Not applicable.		
Evaporation Rate	Not applicable.		
VOC	Not available.		
Viscosity	Not available.		
Ionicity (in water)	Not available.		
Dispersion Properties	Not available.		
Solubility	Soluble.		

Physical Chemical
Comments Not available.

Section 10. Stability and Reactivity

Stability and Reactivity Not available.
 Conditions of Instability Not available.
 Incompatibility with Various Substances Not available.
 Hazardous Decomposition Products Not available.
 Hazardous Polymerization Not available.

Section 11. Toxicological Information

Toxicity to Animals LD50: Not available.
 LC50: Not available.
 Chronic Effects on Humans Not available.
 Other Toxic Effects on Humans Not available.
 Special Remarks on Toxicity to Animals
 Special Remarks on Chronic Effects on Humans Not available.
 Special Remarks on Other Toxic Effects on Humans Not available.

Section 12. Ecological Information

Ecotoxicity Not available.
 BODS and COD Not available.
 Biodegradable/OEDC Mobility Not available.
 Toxicity of the Products of Biodegradation Not available.
 Special Remarks on The Products of Biodegradation Not available.

Section 13. Disposal Considerations

Waste Information Not available.
 Waste Stream Not available.
 Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification Not hazardous.
 Marine Pollutant Not available.
 Hazardous Substances Reportable Quantity Not available.
 Special Provisions for Transport
 TDG Classification Not controlled under TDG (Canada).
 ADR/RID Classification Not controlled under ADR (Europe).
 IMO/IMDG Classification Not controlled under IMDG.
 ICAO/IATA Classification Not controlled under IATA.

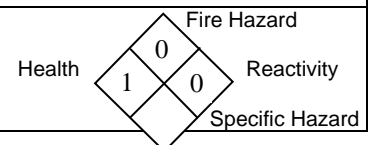
Section 15. Other Information

Label requirements

Hazardous Material
Information System
(U.S.A.)

Health	1
Fire Hazard	0
Reactivity	0

National Fire
Protection
Association
(U.S.A.)



Personal Protection

References

Other Special Considerations

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.