

# Safety Data Sheet

Complies with EC no. 1907/2006  
Issue Date: 11/15/2013

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## Section 1: Chemical Product and Company Identification

Cat#: TFM-B

Part Name: TISSUE FREEZING MEDIUM (BLUE)

Supplier: General Data Healthcare  
4354 Ferguson Drive  
Cincinnati, OH 45245 USA  
Phone: 844.643.1129  
24 hr. Emergency Contact 1.800.255.3924 International: 01.813.248.0585  
(www.general-data.com/healthcare)

Identified uses: Laboratory use, manufacture of substances

## Section 2: Hazards Identification

Hazard Overview

Low hazard for usual industrial or commercial handling.

GHS Classification

Non-Hazardous

Signal word: non-hazard

Hazard and Precautionary Statements

H000 Low hazard for normal industrial use

NFPA Rating

Hazard Ratings:

These ratings are private assessments of the properties of the material using the ANSI/NFPA 704 Standard. Additional information can be found by consulting in the NFPA published ratings lists (List 325 and List 49).

If no data is listed the information is not available.

Health 0 Flammability 1 Reactivity 0

## Section 3: Composition/ Information on Ingredients

Note: Items listed with a CASRN... number have no CAS# available.

| Item# | Name                                     | EINECS    | CAS#       | % in product |
|-------|--|-----------|------------|--------------|
| 1     | Poly(ethylene oxide)                     | Unknown   | 0025322683 | 11 - 20      |
| 2     | Poly(vinyl alcohol) partially hydrolyzed | Unknown   | 0025213245 | 11 - 20      |
| 3     | Water                                    | 231-791-2 | 0007732185 | 71 - 80      |

## Section 4: First Aid Measures

No first aid measures are indicated.

## Section 5: Fire Fighting Measures

Flash point, deg. F.: not flammable

Method:

UEL: nap LEL: nap

Autoignition temperature, deg. F.: nap

Flammability Classification: nap

Flame Propagation Rate: nap

Hazardous Combustion Products: nap

## Section 6: Accidental Release Measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

No special measures are indicated.

## Section 7: Handling and Storage

Store at room temp

## Section 8: Exposure Controls/ Personal Protection

OSHA (ACGIH) Exposure Limits

TWA

STEL

CEILING



|                  |          | ppm | mg/ | ppm | mg/m3 | ppm | mg/m3 |
|------------------|----------|-----|-----|-----|-------|-----|-------|
| CAS#: 0007732185 | IDLH: NE |     |     |     |       |     |       |
| OSHA             |          | NE  | NE  | NE  | NE    | NE  | NE    |
| ACGIH            |          | NE  | NE  | NE  | NE    | NE  | NE    |
| CAS#: 0025213245 | IDLH: NE |     |     |     |       |     |       |
| OSHA             |          | NE  | NE  | NE  | NE    | NE  | NE    |
| ACGIH            |          | NE  | NE  | NE  | NE    | NE  | NE    |
| CAS#: 0025322683 | IDLH: NE |     |     |     |       |     |       |
| OSHA             |          | NE  | NE  | NE  | NE    | NE  | NE    |
| ACGIH            |          | NE  | NE  | NE  | NE    | NE  | NE    |

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

No special protection is indicated.

Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not intentional immersion of the hands into the product. Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product. Permeation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

### Section 9: Physical and Chemical Properties

|                 |         |                   |                     |
|-----------------|---------|-------------------|---------------------|
| Formula:        | no data | vapor pressure:   | nap                 |
| Formula Weight: | no data | vapor density:    | nap                 |
| boiling point:  | 212     | Specific gravity: | 1.03                |
| melting point:  | 32 F    | ph:               | 4-6                 |
| solubility:     | 100%    | appearance:       | blue viscous liquid |

### Section 10: Stability and Reactivity

Chemical Stability: stable  
Conditions to Avoid: none  
Incompatibility with other materials:  
Hazardous Decomposition Products: nap  
Hazardous Polymerization: will not occur

### Section 11: Toxicological Information

Acute Data: LD50 oral rat >100 grams/kg; LD50 skin rabbit >50 grams/kg  
Subchronic data: no data

### Section 12: Ecological Information

no data

### Section 13: Disposal Considerations

The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

| CAS#       | Waste Code | Regulated Name |
|------------|------------|----------------|
| 0007732185 | not listed | not listed     |
| 0025213245 | not listed | not listed     |
| 0025322683 | not listed | not listed     |

### Section 14: Transportation Data

Proper Shipping Name: NOT REGULATED  
Chemical Name:  
UN:  
Class:  
PG:



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**Section 15: Regulatory Information**

All components of this product are on the TSCA public inventory.

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Prop 65 - Column A identifies those items which are known to the State of California to cause cancer. Column B identified items which are known to the State of California to cause reproductive toxicity.

| CAS#       | Column A | Column B |
|------------|----------|----------|
| 0007732185 | no       | no       |
| 0025213245 | no       | no       |
| 0025322683 | no       | no       |

State Regulatory Information :If a CAS# is listed below this material is subject to the listed state right-to-know requirements.

| CAS#       |            |
|------------|------------|
| 0007732185 | not listed |
| 0025213245 | not listed |
| 0025322683 | not listed |

SARA Toxic Release Chemicals(as defined in Section 313 of SARA Title III)

This list identifies the toxic chemicals, including their de minimis concentrations for which reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). The list is also referred to as the Toxics Release Inventory (TRI) List.

| CAS#       | Regulated name | de minimis conc. % | Rep. Thres. |
|------------|----------------|--------------------|-------------|
| 0007732185 | not listed     | not listed         | not listed  |
| 0025213245 | not listed     | not listed         | not listed  |
| 0025322683 | not listed     | not listed         | not listed  |

SARA Extremely Hazardous Substances and TPQs

This list includes hazardous chemicals as defined in 29 CFR 1910.1200(c); and extremely hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

| CAS#       | Regulated name | TPQ (pounds) | EHS-RQ(pounds) |
|------------|----------------|--------------|----------------|
| 0007732185 | not listed     | not listed   | not listed     |
| 0025213245 | not listed     | not listed   | not listed     |
| 0025322683 | not listed     | not listed   | not listed     |

CERCLA

The hazardous substances, and their reportable quantities (RQs) are listed in the federal regulations at 40 CFR Part 302, Table 302.4. Release of a CERCLA hazardous substance in an amount equal to or greater than its RQ, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802.

| CAS#       | Regulated name | RQ (pounds) |
|------------|----------------|-------------|
| 0007732185 | Not listed     | Not listed  |
| 0025213245 | Not listed     | Not listed  |
| 0025322683 | Not listed     | Not listed  |

**Section 16: Other Information**

General Data Healthcare provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. General Data Healthcare. makes no representations or warranties, either expressed or implied of merchantability, fitness for particular purposes with respect to the information set forth herein or to which the information refers. Accordingly, General Data Healthcare will not be responsible for damages resulting from the use of or reliance upon this information.

END OF MSDS

