AVANTIK

Material Safety Data Sheet

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

Section 1: Chemical Product and Company Identification
Cat#: TFM-C

Part Name: TISSUE FREEZING MEDIUM (CLEAR)
Supplier: General Data Healthcare
4354 Ferguson Drive
Cincinnati, OH 45245 USA
Phone: 844.643.1129
24 hr. Emergency Contact 1.800.255.3924
(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	Flammability	Reactivity
0	1	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.: none 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.
Permiation 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:	no data
Formula Weight:	no data	vapor density:	no data
boiling point:	no data	Specific gravity:	1.03
melting point:	no data	ph:	4-6
solubility:	miscible	appearance:	colorless viscous liquid

Section 10: Stability and Reactivity

Chemical Stabilit 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

Section 15: Regulatory Information

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

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

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

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END OF MSDS