

SAFETY DATA SHEET

Section 1 Identification	
Section 1. Identification Product name	1

ExcelGel[™] SDS Buffer Strips

Catalogue Number

s of identification Not available.

Other means of identification Product type

 Product type
 Solid.

 Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Analytical chemistry.

Use in laboratories Scientific research and development

Industrial applications: Analytical chemistry. Laboratory use. Scientific research and development.

17-1342-01

Supplier

Cytiva Amersham Place Little Chalfont Buckinghamshire HP7 9NA United Kingdom +44 0800 515 313 Cytiva USA 100 Results Way Marlborough, MA 01752 1-800-526-3593

In case of emergency	ChemTrec US (available 24/7) 1-800-424-9300
Section 2. Hazards ident	ification
OSHA/HCS status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	SKIN SENSITIZATION - Category 1 GERM CELL MUTAGENICITY - Category 1 CARCINOGENICITY - Category 1B TOXIC TO REPRODUCTION (Fertility) - Category 2
	Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 75% Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 75% Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 75% Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 75%
GHS label elements Hazard pictograms	
Signal word	Danger
Hazard statements	May cause an allergic skin reaction. May cause genetic defects. May cause cancer. Suspected of damaging fertility.
Precautionary statements	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Avoid breathing dust. Contaminated work clothing must not be allowed out of the workplace.

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ExcelGel™ SDS Buffer Strips			17-1342-01
Response	IF exposed or concerned: Get medical attention Wash contaminated clothing before reuse. If		
Storage	Store locked up.		
Disposal	Dispose of contents and container in accordar regulations.	nce with all local, reg	gional, national and international
Hazards not otherwise classified	None known.		
Section 3. Composition/information on ingredients			
Substance/mixture	Mixture		
Other means of identification	Not available.		
CAS number/other identifiers			
CAS number	Not applicable.		
Ingredient name		%	CAS number
acrylamide		0.55	79-06-1

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed Potential acute health effects

Potential acute health effects	
Eye contact	No known significant effects or critical hazards.
Inhalation	No known significant effects or critical hazards.
Skin contact	May cause an allergic skin reaction.
Ingestion	No known significant effects or critical hazards.
Over-exposure signs/symptoms	
Eye contact	No specific data.
Inhalation	Adverse symptoms may include the following: reduced fetal weight

imalation	reduced fetal weight increase in fetal deaths
	skeletal malformations
Skin contact	Adverse symptoms may include the following: irritation
	redness
	reduced fetal weight
	increase in fetal deaths
	skeletal malformations
Ingestion	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths
	skeletal malformations

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Specific treatments	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. No specific treatment.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
See toxicological information (S	ection 11)

Section 5. Fire-fighting n	neasures
Extinguishing media	
Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	No specific fire or explosion hazard.
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides
Special protective actions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for contain	inment and cleaning up
Small spill	Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measuresPut on appropriate personal protective equipment (see Section 8). Persons with a history of skin
sensitization problems should not be employed in any process in which this product is used. Avoid
exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle
until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing.
Do not ingest. If during normal use the material presents a respiratory hazard, use only with
adequate ventilation or wear appropriate respirator. Keep in the original container or an approved
alternative made from a compatible material, kept tightly closed when not in use. Empty containers
retain product residue and can be hazardous. Do not reuse container.Advice on generalEating, drinking and smoking should be prohibited in areas where this material is handled, stored

occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.



Conditions for safe storage, including any incompatibilities Store between the following temperatures: 4 to 8°C (39.2 to 46.4°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and wellventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters	
Occupational exposure limits Ingredient name acrylamide	Exposure limits
Appropriate engineering controls	If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measures	
Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection	
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance	
Physical state	Solid. [Polyacrylamide Gel]
Color	Colorless.
Odor	Odorless.
Odor threshold	Not available.
pH	Not available.
Melting point	Not available.
Boiling point	Decomposes.
Flash point	Not applicable.
Burning time	Not available.
Burning rate	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower and upper explosive	Not available.
(flammable) limits	
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility	Insoluble in the following materials: cold water and hot water.
Solubility in water	Not available.



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Partition coefficient: n-octanol/ water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
SADT	Not available.
Viscosity	Not available.
Flow time (ISO 2431)	Not available.
Aerosol product	

Section 10. Stability and reactivity

Reactivity Chemical stability	No specific test data related to reactivity available for this product or its ingredients. The product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	No specific data.
Incompatible materials	No specific data.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity Product/ingredient name acrylamide	Result LD50 Derm LD50 Oral	nal		Species Rabbit Rat	Dose 1150 mg/kg 124 mg/kg	Exposure - -
Irritation/Corrosion Not available.						
Sensitization Not available.						
<u>Mutagenicity</u> Not available.						
Carcinogenicity Not available.						
Classification Product/ingredient name acrylamide	OSHA -	IARC 2A	NTP Reasonably	anticipated to b	e a human carcinoger	1.
Reproductive toxicity Not available.						
<u>Teratogenicity</u> Not available.						
Specific target organ toxicity (s Not available.	ingle exposu	<u>re)</u>				
Specific target organ toxicity (re Name acrylamide	epeated expo	<u>esure)</u>		egory egory 1	Route of exposure	Target organs Not determined
Aspiration hazard Not available.						
Information on the likely routes of exposure	Routes of en	itry anticipat	ted: Oral, Derm	al, Inhalation.		
Potential acute health effects						
Eye contact Inhalation Skin contact Ingestion	No known significant effects or critical hazards. No known significant effects or critical hazards. May cause an allergic skin reaction. No known significant effects or critical hazards.					
Symptoms related to the physica						



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						11 1012 01		
Eye contact	No specific data.							
Inhalation	Adverse symptoms may in reduced fetal weight	nclude the follow	/ing:					
	increase in fetal deaths							
	skeletal malformations							
Skin contact	Adverse symptoms may i	nclude the follow	/ing:					
	irritation redness							
	reduced fetal weight							
	increase in fetal deaths							
Ingestion	skeletal malformations Adverse symptoms may i	nclude the follow	vina:					
	reduced fetal weight							
	increase in fetal deaths skeletal malformations							
Delayed and immediate effects a		om short and k	ong torm og	(000)				
•		om short and it	ng term ex	<u>(posure</u>				
Short term exposure								
Potential immediate effects	Not available.							
Potential delayed effects	Not available.							
Long term exposure								
Potential immediate effects	Not available.							
Potential delayed effects	Not available.							
Potential chronic health effects Not available.								
General	Once sensitized, a severe levels.	e allergic reaction	n may occui	r when subseque	ntly exposed to v	ery low		
Carcinogenicity	May cause cancer. Risk	of cancer depen	ds on durati	ion and level of e	xposure.			
Mutagenicity	May cause genetic defects.							
Teratogenicity	No known significant effects or critical hazards.							
Developmental effects	No known significant effects or critical hazards.							
Fertility effects	Suspected of damaging f	ertility.						
Numerical measures of toxicity								
Acute toxicity estimates								
Product/ingredient name		Oral (mg/kg)	Dermal	Inhalation	Inhalation	Inhalation		
		e.e. (gg)	(mg/kg)	(gases) (ppm)	(vapors) (mg/l)	(dusts and mists) (mg/		
acrylamide		124	(mg/kg) 1150		• • •	(dusts and		
acrylamide				(ppm)	(mg/l)	(dusts and mists) (mg/ I)		
acrylamide Section 12. Ecological in	formation			(ppm)	(mg/l)	(dusts and mists) (mg/ I)		
-	formation			(ppm)	(mg/l)	(dusts and mists) (mg/ I)		
Section 12. Ecological in	formation Result			(ppm) N/A	(mg/l)	(dusts and mists) (mg/ I)		
Section 12. Ecological in	Result Acute EC50 98000 µg/l F	124	1150 Spec Daph	(ppm) N/A ies nnia - Daphnia ma	(mg/l) N/A	(dusts and mists) (mg/ I) 1.5 Exposure 48 hours		
Section 12. Ecological in <u>Toxicity</u> Product/ingredient name	Result	124 Fresh water	1150 Spec Daph Fish	(ppm) N/A	(mg/l) N/A agna - Instar chirus	(dusts and mists) (mg/ I) 1.5 Exposure 48 hours 96 hours		
Section 12. Ecological in <u>Toxicity</u> Product/ingredient name	Result Acute EC50 98000 µg/l F Acute EC50 85000 µg/l F	124 Fresh water	1150 Spec Daph Fish	(ppm) N/A ies nia - Daphnia ma - Lepomis macro	(mg/l) N/A agna - Instar chirus	(dusts and mists) (mg/ I) 1.5 Exposure 48 hours 96 hours		
Section 12. Ecological in <u>Toxicity</u> Product/ingredient name acrylamide	Result Acute EC50 98000 µg/l F Acute EC50 85000 µg/l F	124 Fresh water Fresh water I Fresh water	1150 Spec Daph Fish	(ppm) N/A ies nia - Daphnia ma - Lepomis macro	(mg/l) N/A agna - Instar chirus	(dusts and mists) (mg/ I) 1.5 Exposure 48 hours 96 hours 33 days		
Section 12. Ecological in <u>Toxicity</u> <u>Product/ingredient name</u> acrylamide <u>Persistence and degradability</u>	Result Acute EC50 98000 μg/l F Acute EC50 85000 μg/l F Chronic NOEC 2.86 mg/l	124 Fresh water Fresh water I Fresh water Phot	1150 Spec Daph Fish Fish	(ppm) N/A ies nia - Daphnia ma - Lepomis macro	(mg/l) N/A agna - Instar chirus melas - Embryo	(dusts and mists) (mg/ I) 1.5 Exposure 48 hours 96 hours 33 days		
Section 12. Ecological in <u>Toxicity</u> <u>Product/ingredient name</u> acrylamide <u>Persistence and degradability</u> <u>Product/ingredient name</u>	Result Acute EC50 98000 μg/l F Acute EC50 85000 μg/l F Chronic NOEC 2.86 mg/l	124 Fresh water Fresh water I Fresh water Phot	1150 Spec Daph Fish Fish	(ppm) N/A ies nia - Daphnia ma - Lepomis macro	(mg/l) N/A agna - Instar chirus melas - Embryo Biodegradabili	(dusts and mists) (mg/ I) 1.5 Exposure 48 hours 96 hours 33 days		
Section 12. Ecological in <u>Toxicity</u> <u>Product/ingredient name</u> acrylamide <u>Persistence and degradability</u> <u>Product/ingredient name</u> acrylamide	Result Acute EC50 98000 μg/l F Acute EC50 85000 μg/l F Chronic NOEC 2.86 mg/l	124 Fresh water Fresh water I Fresh water Phot	1150 Spec Daph Fish Fish	(ppm) N/A ies nia - Daphnia ma - Lepomis macro	(mg/l) N/A agna - Instar chirus melas - Embryo Biodegradabili	(dusts and mists) (mg/ I) 1.5 Exposure 48 hours 96 hours 33 days		
Section 12. Ecological in <u>Toxicity</u> <u>Product/ingredient name</u> acrylamide <u>Persistence and degradability</u> <u>Product/ingredient name</u> acrylamide <u>Bioaccumulative potential</u>	Result Acute EC50 98000 µg/l F Acute EC50 85000 µg/l F Chronic NOEC 2.86 mg/l Aquatic half-life	124 Fresh water Fresh water I Fresh water Phot 100%	1150 Spec Daph Fish Fish	(ppm) N/A ies nia - Daphnia ma - Lepomis macro	(mg/l) N/A agna - Instar chirus melas - Embryo Biodegradabili Readily	(dusts and mists) (mg/ I) 1.5 Exposure 48 hours 96 hours 33 days		
Section 12. Ecological in <u>Toxicity</u> Product/ingredient name acrylamide <u>Persistence and degradability</u> Product/ingredient name acrylamide <u>Bioaccumulative potential</u> Product/ingredient name acrylamide	Result Acute EC50 98000 µg/l F Acute EC50 85000 µg/l F Chronic NOEC 2.86 mg/l Aquatic half-life -	124 Fresh water Fresh water I Fresh water Dhot 100% BCF	1150 Spec Daph Fish Fish	(ppm) N/A ies nia - Daphnia ma - Lepomis macro	(mg/l) N/A agna - Instar chirus melas - Embryo Biodegradabili Readily Potential	(dusts and mists) (mg/ I) 1.5 Exposure 48 hours 96 hours 33 days		
Section 12. Ecological in <u>Toxicity</u> <u>Product/ingredient name</u> acrylamide <u>Persistence and degradability</u> <u>Product/ingredient name</u> acrylamide <u>Bioaccumulative potential</u> <u>Product/ingredient name</u>	Result Acute EC50 98000 µg/l F Acute EC50 85000 µg/l F Chronic NOEC 2.86 mg/l Aquatic half-life -	124 Fresh water Fresh water I Fresh water Dhot 100% BCF	1150 Spec Daph Fish Fish	(ppm) N/A ies nia - Daphnia ma - Lepomis macro	(mg/l) N/A agna - Instar chirus melas - Embryo Biodegradabili Readily Potential	(dusts and mists) (mg/ I) 1.5 Exposure 48 hours 96 hours 33 days		
Section 12. Ecological in <u>Toxicity</u> <u>Product/ingredient name</u> acrylamide <u>Persistence and degradability</u> <u>Product/ingredient name</u> acrylamide <u>Bioaccumulative potential</u> <u>Product/ingredient name</u> acrylamide <u>Mobility in soil</u>	Result Acute EC50 98000 µg/l F Acute EC50 85000 µg/l F Chronic NOEC 2.86 mg/l Aquatic half-life - LogPow -0.9	124 Fresh water Fresh water Fresh water 100% BCF 1.44	1150 Spec Daph Fish Fish	(ppm) N/A ies nia - Daphnia ma - Lepomis macro	(mg/l) N/A agna - Instar chirus melas - Embryo Biodegradabili Readily Potential	(dusts and mists) (mg/ I) 1.5 Exposure 48 hours 96 hours 33 days		



Section 13. Disposal considerations

Section 14. Transport information

Product is not regulated as dangerous goods for transport.

Section 15. Regulator	ry information						
U.S. Federal regulations	TSCA 8(a) CDR Exer	npt/Partial exe	mpt	ion: Not detern	nined		
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)		Liste	d				
Clean Air Act Section 602 Class I Substances			isted	ł			
Clean Air Act Section 602 Class II Substances			istec	1			
DEA List I Chemicals (Precursor Chemicals)			istec	ł			
DEA List II Chemicals (Esser	ntial Chemicals)	Not I	istec	1			
SARA 302/304							
Composition/information o	n ingredients						
	-			SARA 302 TR	PQ	SARA	304 RQ
Name	%	6 Eł	IS	(lbs)	(gallons)	(lbs)	(gallons)
acrylamide	0.	55 Ye	s.	1000 / 10000	-	5000	-
SARA 304 RQ	909090.9 lbs / 41272	7.3 kg					
SARA 311/312		-					
Classification	SKIN SENSITIZATIO GERM CELL MUTAG CARCINOGENICITY TOXIC TO REPRODU	ENICITY - Cate - Category 1B	0.				
Composition/information o	<u>n ingredients</u>						
Name	%	Classifica					
acrylamide	<1	ACUTE TO ACUTE TO SKIN IRRI EYE IRRIT SKIN SEN GERM CE CARCINO TOXIC TO	DXIC DXIC TATIC SITI LL M GEN REF TAF	IICITY - Catego PRODUCTION	Category 4) - Category 4 2 2A gory 1 Y - Category 1B (Fertility) - Cate	egory 2) EXPOSURE) -
<u>SARA 313</u>							
	Product name				CAS number		%
Form R - Reporting requirements	acrylamide				79-06-1		0.55
Supplier notification	acrylamide				79-06-1		0.55
SARA 313 notifications must					tion of the SDS	shall in	clude copying and

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts	None of the components are listed.
New York	The following components are listed: Acrylamide; 2-Propenamide
New Jersey	The following components are listed: ACRYLAMIDE; 2-PROPENAMIDE
Pennsylvania	The following components are listed: 2-PROPENAMIDE
California Prop. 65	

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Ingredient name		No significant risk	Maximum acceptable	
Acrylamide		level Yes.	dosage level Yes.	
International regulations		163.	163.	
-	ntion List Schodulas L II & III Chemicals			
Not listed.	ntion List Schedules I, II & III Chemicals			
Montreal Protocol				
Not listed.				
Stockholm Convention or	<u>n Persistent Organic Pollutants</u>			
Not listed.				
Rotterdam Convention on	Prior Informed Consent (PIC)			
Not listed.				
UNECE Aarhus Protocol o	on POPs and Heavy Metals			
Not listed.				
Inventory list				
United States	All components are listed or exempted.			
Europe	Not determined.			
Canada inventory	All components are listed or exempted.			

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



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

Classification		Justification		
SKIN SENSITIZATION - Category 1 GERM CELL MUTAGENICITY - Category 1 CARCINOGENICITY - Category 1B TOXIC TO REPRODUCTION (Fertility) - Category 2		Calculation method Calculation method Calculation method Calculation method		
History				
Date of printing	5/12/2020			
Date of issue/Date of revision	5/12/2020			
Date of previous issue	3/9/2020			
Version	7			
	sds_author@cytiva.com			
Key to abbreviations	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as n by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available UN = United Nations			
References	Not available.			
Indicates information that has changed from provinusly issued version				

Indicates information that has changed from previously issued version.

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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. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



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