

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 05/24/2021 Supersedes: 10/31/2001 Version: 1.0

SECT	ION 1: Identification				
1.1.	Identification				
Produ	ct form :	Mixture			
Trade	name :	Poly(acrylamide/sodium acrylate)	[70:30]		
Produ	ct code :	18522			
Formu	ıla :	(C3H5NO)x			
1.2.	Recommended use and restrictions on	use			
Recor	nmended use :	Use as laboratory reagent, Manufa	acture of substand	ces	
1.3.	Supplier				
400 V Warrir T +1 2	l <b>ier</b> ciences alley Road ngton, PA 18976 - United States 215 343 6484 - F +1 215 343 0214 <u>polysciences.com</u> - <u>www.polysciences.com</u>				
1.4.	Emergency telephone number				
Emerg	gency number :	24-hour emergency phone numbe	r ChemTel 1-800	-255-3924	
SECT	ION 2: Hazard(s) identification				
2.1.	Classification of the substance or mixtu	Ire			
GHS U	S classification				
Not clas					
2.2.	GHS Label elements, including precauti	onary statements			
GHS U	S labeling				
No labe	ling applicable				
2.3.	Other hazards which do not result in cla	assification			
No addi	itional information available				
2.4.	Unknown acute toxicity (GHS US)				
Not app	licable				
SECT	ION 3: Composition/Information o	n ingredients			
3.1.	Substances				
Not app	licable				
3.2.	Mixtures				
Nam	le	Product identifier	%	GHS US classification	
Acryl	amide	(CAS-No.) 79-06-1	0-5	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Muta. 1B, H340 Carc. 1B, H350 Repr. 2, H361 STOT RE 1, H372	

Full text of hazard classes and H-statements : see section 16

SECT	FION 4: First-aid measures		
4.1.	Description of first aid measures		
First-aid measures after inhalation		: Remove person to fresh air and keep comfortable for breathing.	
First-	aid measures after skin contact	: Wash skin with plenty of water.	
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Aquatic Acute 3, H402

# Poly(acrylamide/sodium acrylate) [70:30] Safety Data Sheet

First-aid measures after yequ contact       : Rinse yequ with water as a procaution.         First-aid measures after yequ contact       : Call a poleon center/doctor/physician if you feel unwell.         12. Most important symptoms and effects (active and delayed)       Version and the symptoms and effects (active and delayed)         Version and the medical attention and special treatment, if necessary       Treat symptomstally.         Section 5: Fire-fighting measures       : Water spray. Dry powder. Foarn.         52. Specific hazards arising from the chemical       : Water spray. Dry powder. Foarn.         53. Specific hazards arising from the chemical       : Toxic fines may be released. free         76. Specific hazards arising from the chemical       : Do not attempt to take action without suitable protective equipment. Self-contained breathing aparatus. Complete protective dothing.         75. Specific hazards arising from the chemical       : Specific hazards and precautions for fire-fighters         76. Accidential reflease measures       : Do not attempt to take action without suitable protective equipment. Self-contained breathing aparatus. Complete protective dothing.         75. For one-emergency responder       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protective equipment.         76. Reference to other sections       : Wentilate spillage area.         76. Proceutions for safe handling       : Do not attempt to take action without suitable pro	First-aid measures after ingestion       : Call a poison center/doctor/physician if you feel unwell.         4.2.       Most important symptoms and effects (acute and delayed)         No additional information available					
Most important symptoms and effects (acute and delayed)     odditional information available     additional information available	.2. Most important symptoms and effects (acute and delayed)         to additional information available         .3. Immediate medical attention and special treatment, if necessary         reat symptomatically.         SECTION 5: Fire-fighting measures         .1. Suitable (and unsuitable) extinguishing media         Suitable extinguishing media         Suitable extinguishing media         .2. Specific hazards arising from the chemical         Hazardous decomposition products in case of : Toxic fumes may be released.					
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1.1. For non-emergency personnel         Emergency procedures       : Ventilate spillage area.         1.2. For emergency responders         Protective equipment       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         1.2. Environmental precautions	ECTION 6: Accidental release measures					
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Poly(acrylamide/sodium acrylate) [70:30] No additional information available	·					
No additional information available						
Acrylamide (79-06-1)						
USA - ACGIH - Occupational Exposure Limits						

ACGIH TWA (mg/m <sup>3</sup> )	0.03 mg/m <sup>3</sup> (inhalable fraction and vapor)
ACGIH chemical category	Skin - potential significant contribution to overall exposure by the cutaneous route, Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA - OSHA - Occupational Exposure Limits	
OSHA PEL (TWA) (mg/m <sup>3</sup> )	0.3 mg/m <sup>3</sup>
Limit value category (OSHA)	prevent or reduce skin absorption

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5 5 ,	<b>5</b>		
USA - IDLH - Occupational Exposure	mits		
US IDLH (mg/m <sup>3</sup> )	60 mg/m <sup>3</sup>		
USA - NIOSH - Occupational Exposu	Limits		
NIOSH REL (TWA) (mg/m <sup>3</sup> )	0.03 mg/m <sup>3</sup>		
8.2. Appropriate engineering contr	<b>i</b>		
Appropriate engineering controls : Ensure good ventilation of the work station.			
Environmental exposure controls : Avoid release to the environment.			
8.3. Individual protection measures/Personal protective equipment			
Hand protection:			

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

**Respiratory protection:** 

In case of insufficient ventilation, wear suitable respiratory equipment

### Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties			
9.1. Information on basic physical and chemical properties			
Physical state	Solid		
Appearance	: White solid.		
Color	: Mixture contains one or more component(s) which have the following colour(s): white		
Odor	: Mixture contains one or more component(s) which have the following odour:		
Odor threshold	: No data available		
pH	: No data available		
Melting point	: no data		
Freezing point	: Not applicable		
Boiling point	: no data		
Flash point	: no data		
Relative evaporation rate (butyl acetate=1)	: No data available		
Flammability (solid, gas)	: Non flammable.		
Vapor pressure	: no data		
Relative vapor density at 20°C	: no data		
Relative density	: No data available		
Solubility	: No data available		
Partition coefficient n-octanol/water (Log Pow)	: No data available		
Auto-ignition temperature	: Not applicable		
Decomposition temperature	: No data available		
Viscosity, kinematic	: No data available		
Viscosity, dynamic	: No data available		
Explosion limits	: Not applicable		

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No additional information available SECTION 10: Stability and reactivity 10.1. Reactivity The product is non-reactive under normal conditions of use, storage and transport. 10.2. Chemical stability Stable under normal conditions. 10.3. Possibility of hazardous reactions No dangerous reactions known under normal conditions of use. 10.4. Conditions to avoid None under recommended storage and handling conditions (see section 7). 10.5. Incompatible materials No additional information available 10.6. Hazardous decomposition products Under normal conditions of storage and use, hazardous decomposition products should not be produced. SECTION 11: Toxicological information	Explosive properties	: No data available
No additional information available SECTION 10: Stability and reactivity U0.1. Reactivity The product is non-reactive under normal conditions of use, storage and transport. 10: Chemical stability Stable under normal conditions. 10: Chemical stability Stable under normal conditions of use, storage and transport. 10: Chemical stability Stable under normal conditions of use. 10: Conditions to avoid None under recommended storage and handling conditions (see section 7). 10: Incompatible materials No adagecous reactions from storals 10: Conditions of storage and use, hazardous decomposition products should not be produced. SECTION 11: Conditions of storage and use, hazardous decomposition products should not be produced. SECTION 11: Conditions of storage and use, hazardous decomposition products should not be produced. SECTION 11: Condicological effects Acute toxicity (cral) : Not classified Acute toxicity (cral) : Not classified Acute toxicity (cral) : Not classified Not classified Not classified Sections and the doo mg/kg Stain corrosion/inflation : Not classified Sections and it 124 mg/kg LD50 oral rat 124 mg/kg LD50 oral rat 124 mg/kg Stain corrosion/inflation : Not classified Sections eve damage/inflation : Not classified Sect	Oxidizing properties	: No data available
SECTION 10: Stability and reactivity   10.1. Reactivity   The product is non-reactive under normal conditions of use, storage and transport. 10.2.   10.2. Chemical stability   Stable under normal conditions. 10.3.   10.3. Possibility of hazardous reactions   No dangerous reactions known under normal conditions of use. 10.4.   10.4. Conditions to avoid   Nore under recommended storage and handling conditions (see section 7). 10.5.   10.5. Incompatible materials   No additional information available 10.4.   10.4. Hazardous decomposition products   Under normal conditions of storage and use, hazardous decomposition products should not be produced.   SECTION 11 Toxicological information   11.1. Information on toxicological effects   Acute toxicity (dernal) : Not classified   Acute toxicity (dernal) : Not classified   Poly(acrylamide/sodium acrylats) [70:30]   LD50 oral rat > µg/kg mg/Kg   Acute toxicity (inhelation) : Not classified   Respiratory or skin sensitization : N	9.2. Other information	
10.1. Reactivity         The product is non-reactive under normal conditions of use, storage and transport.         10.2. Chemical stability         10.3. Possibility of hazardous reactions         No dargerous reactions known under normal conditions of use.         10.4. Conditions to avoid         None under recommended storage and handling conditions (see section 7).         10.5. Incompatible materials         No additional findmation avoid storage and use, hazardous decomposition products should not be produced.         SECTION 11. Toxicological information         11.1. Information on toxicological information         11.2. Disco dariat       124 mg/kg         11.2. Disco dariat       124 mg/kg <td>No additional information available</td> <td></td>	No additional information available	
The product is non-reactive under normal conditions of use, storage and transport.   10.2. Chemical stability   Stable under normal conditions.   03.0. Possibility of hazardous reactions   No diagerous reactions known under normal conditions of use.   10.4. Conditions to avoid   None under recommended storage and handling conditions (see section 7).   10.5. Incompatible materials   No additional information available   10.6. Hazardous decomposition products   11.1. Information on toxicological effects   Acute toxicity (oral) : Not classified   Acute toxicity (oral) : Not classified   Acute toxicity (dermat) : Not classified   Acute toxicity (dermation) : Not classified   Acute toxicity : Not classified   Acute toxicity (dermation) <td>SECTION 10: Stability and reactivity</td> <td></td>	SECTION 10: Stability and reactivity	
10.2. Chemical stability         Stable under normal conditions.         10.3. Possibility of hazardous reactions         No dangerous reactions known under normal conditions of use.         10.4. Conditions to avoid         None under recommended storage and handling conditions (see section 7).         10.5. Incompatible materials         No additional information available         10.6. Hazardous decomposition products         Under normal conditions of storage and use, hazardous decomposition products should not be produced.         SECTION 11: Toxicological information         11.1. Information on toxicological information         11.2. Acute toxicity (oral)       : Not classified         Acute toxicity (oral)       : Not classified         Acute toxicity (orhaliation)       : Not classified         LD50 oral rat       ! 248 mg/kg         LD50 oral rat       ! 249 mg/kg         LD50 doral rat       ! Not classified         Serious eye damage/initiation       : Not classified         Carcinanica (73-06-1)       !         LD50 doral rat       ! 240 mg/kg         LD50 doral rat       ! Not classified         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Carcinogenicity       : Not classified	10.1. Reactivity	
Stable under normal conditions.         10.3. Possibility of hazardous reactions         No dangerous reactions known under normal conditions of us.         10.4. Conditions to avoid         Nome under recommended storage and handling conditions (see section 7).         10.5. Incompatible materials         Now additional information values         10.6. Hazardous decomposition products         Nome inder recommended storage and use, hazardous decomposition products should not be produced.         SECTION 11: Coxicological information         11.1. Information on toxicological effects         Acute toxicity (arema)       : Not classified         Acute toxicity (dermai)       : Not classified         Acute toxicity (arema)       : Not classified         LoS or al rat       124 mg/kg         LoS or al rat       124 mg/kg         LoS dermal rat       400 mg/kg         Steriours equinity       : Not classified         Serious eye damage/irritation       : Not classified         Germ cell mutagenicity       : Not classified         Cardinogenicity       : Not classified         Serious eye damage/irritation       : Not classified         Cardinogenicity       : Not classified         Cardinogenicity       : Not classified         Serious eye damage/irritation<	The product is non-reactive under normal condition	s of use, storage and transport.
10.3. Possibility of hazardous reactions         No dangerous reactions known under normal conditions of use.         10.4. Conditions to avoid         None under recommended storage and handling conditions (see section 7).         10.5. Incompatible materials         No additional information available         10.6. Hazardous docomposition products         Under normal conditions of storage and use, hazardous decomposition products should not be produced.         SECTION 11: Toxicological information         11.1. Information on toxicological effects         Acute toxicity (oral)       : Not classified         Acute toxicity (dermal)       : Not classified         Acute toxicity (dermal)       : Not classified         Polycarylamide/sodium acrylate) [70:30]       Lb50 oral rat         Lb50 oral rat       124 mg/kg         Lb50 oral rat       : Not classified         Serious eye damage/initiation       : Not classified         Gerr call mutagenicity       : Not classified         Carcinogenicity       : Not classified         Gerr call mutagenicity       : Not classified         Gerr call mutagenicity	10.2. Chemical stability	
No dangerous reactions known under normal conditions of use.   10.4. Conditions to avoid   None under recommended storage and handling conditions (see section 7).   10.5. Incompatible materials   No additional information available   10.6. Hazardous decomposition products   Burden normal conditions of storage and use, hazardous decomposition products should not be produced.   SECTION 11: Toxicological information   SECTION 11: Toxicological information   11.1. Information on toxicological fifets   Acute toxicity (oral) : Not classified   Acute toxicity (dermal) : Not classified   Acute toxicity (inhalation) : Not classified   ID50 oral rat 124 mg/kg   LD50 oral rat 124 mg/kg   LD50 oral rat 400 mg/kg   Skin corrosion/irritation : Not classified   Respiratory or skin sensitization : Not classified   Respiratory or skin sensitization : Not classified   Carcinogenicity : Not classified   Carcinogenicity : Not classified   Carcinogenicity : Not classified   Respiratory or skin sensitization : Not classified   Carcinogenicity : Not classified   In SHA Hazard Communication Carcinogen Yeidence of Carcinogenic to humans   National Toxicity Program (NTP) Status Evidence of Carcinogenic to humans   National Toxicity Program (NTP) Status Evidence of Carcinogenic to humans   National Toxicity Program (NTP) Status Evidence of Carcinogenic to humans <t< td=""><td>Stable under normal conditions.</td><td></td></t<>	Stable under normal conditions.	
10.4       Conditions to avoid         None under recommended storage and handling conditions (see section 7).       Internation available         10.5       Incompatible materials         No additional information available       10.6         10.6       Hazardous decomposition products         Under normal conditions of storage and use, hazardous decomposition products should not be produced.         SECTION 11: Toxicological information         11.1       Information on toxicological effects         Acute toxicity (oral)       : Not classified         Acute toxicity (inhalation)       : Not classified         Acute toxicity (inhalation)       : Not classified         Poly(acrylamide/sodium acrylate) [70:30]       LD50 oral rat         LD50 oral rat       124 mg/kg         LD50 oral rat       124 mg/kg         LD50 oral rat       400 mg/kg         Skin corrosion/irritation       : Not classified         Serious eye damage/irritation       : Not classified         Carcinogenicity       : Not classified         Carcinogenicity Program (NTP) Status	10.3. Possibility of hazardous reactions	
None under recommended storage and handling conditions (see section 7).  10.5. Incompatible materials No additional information available 10.6. Hazardous decomposition products 10.6. Hazardous decomposition products 10.6. Hazardous decomposition products 10.6. Incommation on toxicological information SECTION 11: Toxicological information I1.1. Information on toxicological effects Acute toxicity (dermal) i Not classified Acute toxicity (inhalation) i Not classified Acute toxicity (dermal) i Not classified Acute toxicity (inhalation) i Not classified Germ cell mutagenicity i Not classified Acute toxicity Program (NTP) Status Evidence of Carcinogenic to humans National Toxicity Program (NTP) Status Evidence of Carcinogenic to humans National Toxicity Program (NTP) Status Evidence of Carcinogenic to humans National Toxicity Program (NTP) Status Evidence of Carcinogenic to humans National Toxicity Program (NTP) Status Evidence of Carcinogenic to humans National Toxicity Program (NTP) Status Evidence of Carcinogenic to humans National Toxicity Program (NTP) Status Evidence of Carcinogenic to humans National Toxicity Program (NTP) Status Evidence of Carcinogenic to humans National Toxicity Program (NTP) Status Evidence of Carcinogenic to humans National Toxicity Program (NTP) Status Evidence of Carcinogenic to humans National Toxicity Program (NTP) Status Evidence of Carcinogenic to humans National Toxicity Program	No dangerous reactions known under normal condi	tions of use.
10.5. Incompatible materials         No additional information available         10.6. Hazardous decomposition products         Under normal conditions of storage and use, hazardous decomposition products should not be produced.         SECTION 11: Toxicological information         11.1. Information on toxicological effects         Acute toxicity (oral)       : Not classified         Acute toxicity (inhalation)       : Not classified         Acute toxicity (inhalation)       : Not classified         Poly(acrylamide/sodium acrylate) [70:30]       LD50 oral rat         LD50 oral rat       124 mg/kg         LD50 dermal rat       400 mg/kg         Skin corrosion/irritation       : Not classified         Gern cell mutagenicity       : Not classified         Gern cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Gern cell mutagenicity       : Not classified         Mational Toxicity Program (NTP) Status       Evidence of Carcinogenic to humans         National Toxicity Program (NTP) Status       Evidence of Carcinogenic to humans         National Toxicity Program (NTP) Status       Evidence of Carcinogenic to humans         National Toxicity Program (NTP) Status       Evidence of Carcinogenic to humans         National Toxicity Program (NTP) Status       Evidence	10.4. Conditions to avoid	
No additional information available         10.6. Hazardous decomposition products         10.6. Hazardous of storage and use, hazardous decomposition products should not be produced.         SECTION 11: Toxicological information         11.1. Information on toxicological effects         Acute toxicity (oral)       : Not classified         Acute toxicity (inhalation)       : Not classified         Acute toxicity (inhalation)       : Not classified         Deformation acrylate [70:30]       LD50 oral rat         LD50 oral rat       124 mg/kg         LD50 oral rat       400 mg/kg         Skin corrosion/irritation       : Not classified         Serious eye damage/irritation       : Not classified         Gerr cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Carcinogenicity       : Not classified         Varguande (79-06-1)       2A - Probably carcinogenic to humans         National Toxicity Program (NTP) Status       Evidence of Carcinogenicity, Reasonably anticipated to be Human Carcinogen         In OSHA Hazard Communication Carcinogen       Yes         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-speated exposure       : Not classified         STOT-speated e	None under recommended storage and handling co	onditions (see section 7).
No additional information available         10.6. Hazardous decomposition products         Butter normal conditions of storage and use, hazardous decomposition products should not be produced.         SECTION 11: Toxicological information         11.1. Information on toxicological effects         Acute toxicity (oral)       : Not classified         Acute toxicity (inhalation)       : Not classified         Acute toxicity (inhalation)       : Not classified         Deformation an rylate) [70:30]       LD50 oral rat         LD50 oral rat       124 mg/kg         LD50 oral rat       400 mg/kg         Skin corrosion/irritation       : Not classified         Serious eye damage/irritation       : Not classified         Carcinogenicity       : Not classified         Carcinogenicity Program (NTP) Status       Evidence of Carcinogenicity, Reasonably anticipated to be Human Carcinogen         In OSHA Hazard Communication Carcinogen       Yes         StOT-single exposure       : Not classified </td <td>10.5. Incompatible materials</td> <td></td>	10.5. Incompatible materials	
Under normal conditions of storage and use, hazardous decomposition products should not be produced.  SECTION 11: Toxicological information  Acute toxicity (oral) : Not classified Acute toxicity (idermal) : Not classified  Poly(acrylamide/sodium acrylate) [70:30]  D50 oral rat > µg/kg mg/Kg  Acrylamide (79-06-1)  D50 oral rat 124 mg/kg  D50 dermal rat 400 mg/kg  Skin corrosion/irritation : Not classified Serious eye damage/irritation : Not classified  Carcinogenicity : Not classified  Acrylamide (79-06-1)  IARC group 2A - Probably carcinogenicity, Reasonably anticipated to be Human Carcinogen In OSHA Hazard Communication Carcinogen Ist  FOT-single exposure : Not classified  StoT-single exposure : Not classified	No additional information available	
Under normal conditions of storage and use, hazardous decomposition products should not be produced.  SECTION 11: Toxicological information  Acute toxicity (oral) : Not classified Acute toxicity (idermal) : Not classified  Poly(acrylamide/sodium acrylate) [70:30]  D50 oral rat > µg/kg mg/Kg  Acrylamide (79-06-1)  D50 oral rat 124 mg/kg  D50 dermal rat 400 mg/kg  Skin corrosion/irritation : Not classified Serious eye damage/irritation : Not classified  Carcinogenicity : Not classified  Acrylamide (79-06-1)  IARC group 2A - Probably carcinogenicity, Reasonably anticipated to be Human Carcinogen In OSHA Hazard Communication Carcinogen Ist  FOT-single exposure : Not classified  StoT-single exposure : Not classified	10.6. Hazardous decomposition products	
11.1       Information on toxicological effects         Acute toxicity (oral)       : Not classified         Acute toxicity (inhalation)       : Not classified         Acute toxicity (inhalation)       : Not classified         Polycerylamide/sodium acrylate) [70:30]          DE50 oral rat       > µg/kg mg/Kg         DE50 oral rat       124 mg/kg         LD50 oral rat       124 mg/kg         Scylamide (79-06-1)          LD50 oral rat       100 mg/kg         Skin corrosion/irritation       : Not classified         Serious eye damage/irritation       : Not classified         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Carcinogenicity       : Not classified         Carcinogenicity       : Not classified         Matonal Toxicity Program (NTP) Status       Evidence of Carcinogenic to humans         National Toxicity Program (NTP) Status       Evidence of Carcinogenicity, Reasonably anticipated to be Human Carcinogen         In OSHA Hazard Communication Carcinogen       Yes         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         STOT-repeated exposure <td>Under normal conditions of storage and use, hazar</td> <td>dous decomposition products should not be produced.</td>	Under normal conditions of storage and use, hazar	dous decomposition products should not be produced.
11.1       Information on toxicological effects         Acute toxicity (oral)       : Not classified         Acute toxicity (inhalation)       : Not classified         Acute toxicity (inhalation)       : Not classified         Polycerylamide/sodium acrylate) [70:30]          DE50 oral rat       > µg/kg mg/Kg         DE50 oral rat       124 mg/kg         LD50 oral rat       124 mg/kg         Scylamide (79-06-1)          LD50 oral rat       100 mg/kg         Skin corrosion/irritation       : Not classified         Serious eye damage/irritation       : Not classified         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Carcinogenicity       : Not classified         Carcinogenicity       : Not classified         Matonal Toxicity Program (NTP) Status       Evidence of Carcinogenic to humans         National Toxicity Program (NTP) Status       Evidence of Carcinogenicity, Reasonably anticipated to be Human Carcinogen         In OSHA Hazard Communication Carcinogen       Yes         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         STOT-repeated exposure <td>SECTION 11: Toxicological informatio</td> <td>n</td>	SECTION 11: Toxicological informatio	n
Acute toxicity (oral)       : Not classified         Acute toxicity (inhalation)       : Not classified         Acute toxicity (inhalation)       : Not classified         Polycarylamide/sodium acrylate) [70:30]		
Acute toxicity (dermal)       : Not classified         Acute toxicity (inhalation)       : Not classified         Poly(acrylamide/sodium acrylate) [70:30]		: Not classified
Acute toxicity (inhalation)       : Not classified         Poly(acrylamide/sodium acrylate) [70:30]       > µg/kg mg/Kg         LD50 oral rat       > µg/kg mg/Kg         Acrylamide (79-06-1)          LD50 dermal rat       124 mg/kg         LD50 dermal rat       124 mg/kg         Skin corrosion/Irritation       : Not classified         Serious eye damage/irritation       : Not classified         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         National Toxicity Program (NTP) Status       Evidence of Carcinogenicito, Reasonably anticipated to be Human Carcinogen         In OSHA Hazard Communication Carcinogen       Yes         Reproductive toxicity       : Not classified         STOT-repeated exposure       : Not classified         STOT-repeated exposure       : Not classified         STOT-repeated exposure       : Not classified         Aspiration hazard       : Not classified		: Not classified
LD50 oral rat       > µg/kg mg/kg         Acrylamide (79-06-1)       124 mg/kg         LD50 oral rat       124 mg/kg         LD50 dermal rat       400 mg/kg         Skin corrosion/irritation       : Not classified         Serious eye damage/irritation       : Not classified         Germ cell mutagenicity       : Not classified         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Acrylamide (79-06-1)       IARC group         IARC group       2A - Probably carcinogenic to humans         National Toxicity Program (NTP) Status       Evidence of Carcinogenicity, Reasonably anticipated to be Human Carcinogen         In OSHA Hazard Communication Carcinogen       Yes         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         STOT-repeated exposure       Causes damage to organs through prolonged or repeated exposure.         Aspiration hazard       : Not classified		: Not classified
LD50 oral rat       > µg/kg mg/kg         Acrylamide (79-06-1)       124 mg/kg         LD50 oral rat       124 mg/kg         LD50 dermal rat       400 mg/kg         Skin corrosion/irritation       : Not classified         Serious eye damage/irritation       : Not classified         Germ cell mutagenicity       : Not classified         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Acrylamide (79-06-1)       IARC group         IARC group       2A - Probably carcinogenic to humans         National Toxicity Program (NTP) Status       Evidence of Carcinogenicity, Reasonably anticipated to be Human Carcinogen         In OSHA Hazard Communication Carcinogen       Yes         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         STOT-repeated exposure       Causes damage to organs through prolonged or repeated exposure.         Aspiration hazard       : Not classified	Poly(acrylamide/sodium acrylate) [70:30]	
LD50 oral rat124 mg/kgLD50 dermal rat400 mg/kgSkin corrosion/irritation: Not classifiedSerious eye damage/irritation: Not classifiedGerm cell mutagenicity: Not classifiedGerm cell mutagenicity: Not classifiedCarcinogenicity: Not classifiedAcrylamide (79-06-1)2A - Probably carcinogenic to humansIARC group2A - Probably carcinogenic to humansNational Toxicity Program (NTP) StatusEvidence of Carcinogenicity, Reasonably anticipated to be Human CarcinogenIn OSHA Hazard Communication CarcinogenYesSTOT-single exposure: Not classifiedSTOT-repeated exposure: Not classifiedAcrylamide (79-06-1)STOT-repeated exposureSTOT-repeated exposure: Not classified		> µg/kg mg/Kg
LD50 dermal rat400 mg/kgSkin corrosion/irritation: Not classifiedSerious eye damage/irritation: Not classifiedRespiratory or skin sensitization: Not classifiedGerm cell mutagenicity: Not classifiedCarcinogenicity: Not classifiedAcrylamide (79-06-1)IACC groupIARC group2A - Probably carcinogenic to humansNational Toxicity Program (NTP) StatusEvidence of Carcinogenicity, Reasonably anticipated to be Human CarcinogenIn OSHA Hazard Communication CarcinogenYesReproductive toxicity: Not classifiedSTOT-single exposure: Not classifiedSTOT-repeated exposure: Not classifiedAcrylamide (79-06-1)Exidence of organs through prolonged or repeated exposure.Aspiration hazard: Not classified	Acrylamide (79-06-1)	
Skin corrosion/irritation       : Not classified         Serious eye damage/irritation       : Not classified         Respiratory or skin sensitization       : Not classified         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Acrylamide (79-06-1)       : Not classified         IARC group       2A - Probably carcinogenic to humans         National Toxicity Program (NTP) Status       Evidence of Carcinogenicity, Reasonably anticipated to be Human Carcinogen         In OSHA Hazard Communication Carcinogen       Yes         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Acrylamide (79-06-1)       :         STOT-repeated exposure       : Not classified         Acrylamide (79-06-1)       :         STOT-repeated exposure       : Not classified         Acrylamide (79-06-1)       :         STOT-repeated exposure       : Causes damage to organs through prolonged or repeated exposure.         Aspiration hazard       : Not classified	LD50 oral rat	
Serious eye damage/irritation: Not classifiedRespiratory or skin sensitization: Not classifiedGerm cell mutagenicity: Not classifiedCarcinogenicity: Not classifiedCarcinogenicity: Not classifiedIARC group2A - Probably carcinogenic to humansNational Toxicity Program (NTP) StatusEvidence of Carcinogenicity, Reasonably anticipated to be Human CarcinogenIn OSHA Hazard Communication CarcinogenYesReproductive toxicity: Not classifiedSTOT-single exposure: Not classifiedSTOT-repeated exposure: Not classifiedAcrylamide (79-06-1): Not classifiedSTOT-repeated exposure: Not classifiedAcrylamide (79-06-1): Not classifiedAspiration hazard: Not classifiedKaspiration hazard: Not classifiedStot - repeated exposure: Not classified	LD50 dermal rat	400 mg/kg
Respiratory or skin sensitization: Not classifiedGerm cell mutagenicity: Not classifiedCarcinogenicity: Not classifiedAcrylamide (79-06-1): 2A - Probably carcinogenic to humansIARC group2A - Probably carcinogenic to humansNational Toxicity Program (NTP) StatusEvidence of Carcinogenicity, Reasonably anticipated to be Human CarcinogenIn OSHA Hazard Communication CarcinogenYesReproductive toxicity: Not classifiedSTOT-single exposure: Not classifiedSTOT-repeated exposure: Not classifiedAcrylamide (79-06-1): Not classifiedSTOT-repeated exposureCauses damage to organs through prolonged or repeated exposure.Aspiration hazard: Not classified	Skin corrosion/irritation	: Not classified
Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Acrylamide (79-06-1)       : A. Probably carcinogenic to humans         IARC group       : 2A - Probably carcinogenic to humans         National Toxicity Program (NTP) Status       : Evidence of Carcinogenicity, Reasonably anticipated to be Human Carcinogen         In OSHA Hazard Communication Carcinogen       Yes         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Acrylamide (79-06-1)       : Causes damage to organs through prolonged or repeated exposure.         Aspiration hazard       : Not classified	Serious eye damage/irritation	: Not classified
Carcinogenicity       : Not classified         Acrylamide (79-06-1)       2A - Probably carcinogenic to humans         IARC group       2A - Probably carcinogenic to humans         National Toxicity Program (NTP) Status       Evidence of Carcinogenicity, Reasonably anticipated to be Human Carcinogen         In OSHA Hazard Communication Carcinogen       Yes         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Acrylamide (79-06-1)       Causes damage to organs through prolonged or repeated exposure.         Aspiration hazard       : Not classified	Respiratory or skin sensitization	: Not classified
Acrylamide (79-06-1)       2A - Probably carcinogenic to humans         National Toxicity Program (NTP) Status       Evidence of Carcinogenicity, Reasonably anticipated to be Human Carcinogen         In OSHA Hazard Communication Carcinogen       Yes         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         STOT-repeated exposure       : Not classified         Acrylamide (79-06-1)       Causes damage to organs through prolonged or repeated exposure.         Aspiration hazard       : Not classified	Germ cell mutagenicity	: Not classified
IARC group       2A - Probably carcinogenic to humans         National Toxicity Program (NTP) Status       Evidence of Carcinogenicity, Reasonably anticipated to be Human Carcinogen         In OSHA Hazard Communication Carcinogen       Yes         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Acrylamide (79-06-1)       : Not classified         STOT-repeated exposure       : Not classified         Aspiration hazard       : Not classified	Carcinogenicity	: Not classified
National Toxicity Program (NTP) Status       Evidence of Carcinogenicity, Reasonably anticipated to be Human Carcinogen         In OSHA Hazard Communication Carcinogen       Yes         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Acrylamide (79-06-1)       Causes damage to organs through prolonged or repeated exposure.         Aspiration hazard       : Not classified	Acrylamide (79-06-1)	
In OSHA Hazard Communication Carcinogen list       Yes         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Acrylamide (79-06-1)       : Causes damage to organs through prolonged or repeated exposure.         Aspiration hazard       : Not classified		
list       Ist         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Acrylamide (79-06-1)		Evidence of Carcinogenicity, Reasonably anticipated to be Human Carcinogen
STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Acrylamide (79-06-1)       : STOT-repeated exposure         STOT-repeated exposure       Causes damage to organs through prolonged or repeated exposure.         Aspiration hazard       : Not classified		Yes
STOT-repeated exposure       : Not classified         Acrylamide (79-06-1)	Reproductive toxicity	: Not classified
Acrylamide (79-06-1)         STOT-repeated exposure       Causes damage to organs through prolonged or repeated exposure.         Aspiration hazard       : Not classified	STOT-single exposure	: Not classified
STOT-repeated exposure       Causes damage to organs through prolonged or repeated exposure.         Aspiration hazard       : Not classified	STOT-repeated exposure	: Not classified
Aspiration hazard : Not classified	Acrylamide (79-06-1)	
	STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Viscosity, kinematic : No data available	Aspiration hazard	: Not classified
	Viscosity, kinematic	: No data available

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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 12: Ecological information		
2.1. Toxicity		
Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adv effects in the environment.		
Acrylamide (79-06-1)		
LC50 fish 1	103 – 115 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])	
EC50 Daphnia 1 98 mg/l (Exposure time: 48 h - Species: Daphnia magna)		
LC50 fish 2 124 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])		
EC50 Daphnia 2 98 mg/l (Exposure time: 48 h - Species: Daphnia magna [Flow through])		

No additional information available

12.3.	Bioaccumulative potential
Acry	lamide (79-06-1)
Partit	tion coefficient n-octanol/water (Log Pow) -1.24
12.4.	Mobility in soil
No addit	tional information available

### 12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations	
13.1. Disposal methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	
Department of Transportation (DOT)	
In accordance with DOT	

Not applicable

**Transportation of Dangerous Goods** 

Not applicable

### Transport by sea

Not applicable

### Air transport

Not applicable

### SECTION 15: Regulatory information

15.1. US Federal regulations

Acrylamide (79-06-1)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313 Listed on EPA Hazardous Air Pollutant (HAPS)		
CERCLA RQ	5000 lb	
RQ (Reportable quantity, section 304 of EPA's List of Lists)	5000 lb	
Section 302 EPCRA Reportable Quantity (RQ)	5000 lb	
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 – 10000 lb	

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15.2. International regulations

### CANADA

Acrylamide (79-06-1)		
Listed on the Canadian DSL (Domestic Substances List)		
Toxic Substance (CEPA – Schedule I) Yes		

#### **EU-Regulations**

### Acrylamide (79-06-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### National regulations

Acrylamide (79-06-1)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Japanese Poisonous and Deleterious Substances Control Law
Japanese Pollutant Release and Transfer Register Law (PRTR Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on CICR (Turkish Inventory and Control of Chemicals)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

#### 15.3. US State regulations

Acrylamide (79-					
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	Yes	No	Yes	0.2 μg/day	140 µg/day
Component			State or local regulations		
Acrylamide(79-06-1)			U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) - Environmental Hazard List; U.S Pennsylvania - RTK (Right to Know) List		

### SECTION 16: Other information

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Hazard Rating	
Health	: 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability	<ul> <li>1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)</li> </ul>
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

#### SDS US (GHS HazCom 2012)

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