GENERAL STORAGE CODE GREEN

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Section 1

Identification

INNOVATING SCIENCE® by Aldon 221 Root

"Cutting edge science for the classroom"

221 Rochester Street Avon, NY 14414-9409 (585) 226-6177 CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory and industrial use only. Not for drug, food or household use.

oduct DEIONIZED WATER	
nonyms Hydrogen Oxide / Distilled Water	
ction 2 Hazards identification	
Azards identification is substance has not been classified at this time according to the Globally irmonized System (GHS) of Classification and Labeling of Chemicals. gnal word: Not a hazardous substance ctograms: Not a hazardous substance rget organs: None known HS Classification:	Supplemental information: Avoid contact with DANGEROUS WHEN WET and WATER-REACTIVE materials. For laboratory use only. Do not ingest.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known

Physical nazards not otherwise classified	(PHNOC) - Not Known	

Section 3	Composition / information on	ingredients			
Chemical Name		CAS #	%	EINECS	
Deionized water		7732-18-5	100%	231-791-2	
Section 4	First aid measures		1		

Section 4 First aid measures

Uncontaminated water should not pose any ill health effects. If ill effects develop, get immediate medical attention.

Section 5

Suitable Extinguishing Media: Not a fire hazard. Water is used for extinguishing fires.

Fire fighting measures

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: Avoid contact with DANGEROUS WHEN WET and WATER-REACTIVE materials. See Section 10.

Section 6 Accidental release measures

Personal Precautions: Uncontaminated material poses no hazards.

Environmental Precautions: Uncontaminated material may be flushed to sewer.

Containment and Cleanup: Uncontaminated material may be flushed to sewer.

Section 7 Handling and storage

Precautions for Safe Handling: Read label on container before using. Not for drug, food or household use. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Wash thoroughly after handling.

Conditions for Safe Storage: Store in a cool area away from water-reactive or dangerous when wet substances.

Section 8	Exposure controls / personal protection					
Exposuro Limite:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)		
Exposure Limits:	None listed	None listed	None listed	None listed		

Engineering controls: None required.

Respiratory protection: None required.

	Physical and cher	mical prope	erties					
Appearance: Clea Odor: No odor. Odor threshold: D pH: Data not availa Melting / Freezing Boiling point: 100 Flash point: Not fl	Data not available able point: 0°C (32°F) °C (212°F)	FI E: Va Va R	lammability (s xplosion limit apor pressure apor density (y (Specific gravity)		Auto-ignitio Decomposi Viscosity: Molecular f	on temperature	ctanol / water): Data not availat : Not flammable ire: Data not available. ole.
Section 10	Stability and react	tivity						
Chemical stability Conditions to avo	: Stable id: Absorption of fumes	and carbon		us polymerization:	Will not occur.			
	erials: Water-reactive m		0	calcium, barium, alka	ali metal alloys, liquid	amalgams, am	ides, carbides,	hydrides, aluminum powders,
Hazardous decom	position products: Ele	ctrolysis will	produce explo	osive and flammable	hydrogen and oxyge	n.		
Section 11	Toxicological info	rmation						
IARC: No compone OSHA: No compone Ca Prop 65: This p Reproductive toxi STOT-single expo STOT-repeated ex Aspiration hazard Potential health e Inhalation: No ill eff Skin: No ill effects Eyes: No ill effects	nt of this product present ent of this product present nent of this product present roduct does not contain a icity: Data not available sure: Data not available sposure: Data not available ffects: ffects expected. fects expected. expected.	nt at levels gr ent at levels g any chemica e e able	reater than or o greater than or als known to th	equal to 0.1% is ider equal to 0.1% is ide	tified as probable, po ntified as a carcinoge	ossible or confir en or potential c	med human car arcinogen by O	
• • •	ation: RTECS #: Data							
Section 12	Ecological information	ation						
Toxicity to algae: Persistence and d Mobility in soil: N Other adverse effe Section 13 These disposal g	legradability: No data a lo data available acts: An environmental I Disposal conside uidelines are intended	available hazard canno rations I for the disp of in accord	Bioaccumu PBT and vF ot be excluded	Ilative potential: No PvB assessment: No I in the event of unpr log-size quantities	lo data available ofessional handling o only. Federal regu	lations may ap		container. State and/or loca emical disposal agency.
	Not applicable		na namo: N	lot Regulated				
Hazard class:	Not applicable	Packing	g group: N	ot applicable Not applicable	Reportable Qu	antity: No	М	arine pollutant: No
	Regulatory inform			11				
Exceptions: N			anhydrous form	is on the Inventory list.				
Exceptions: N Section 15	red to be listed if the CAS n		TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	CA Prop 65
Exceptions: N Section 15			1004		Renaroodo			
Exceptions: N Section 15 A chemical is consider	nent		Listed	Not listed	Not listed	Listed	Not listed	This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.
Exceptions: N Section 15 A chemical is consider Compo						Listed	Not listed	any chemicals known to the Stat of California to cause cancer or

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Section 1

Identification

"Cutting edge science for the classroom" by Aldon "Cutting edge science for the classroom"

221 Rochester Street Avon, NY 14414-9409 (585) 226-6177 CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory and industrial use only.

Not for drug, food or household use.

Product	FERROUS AMMONIUM SULFATE, 0.1 MOLAR SOLUTION						
Synonyms	Ammonium Ferrous Sulfate, Water Solution / Iron(II) Ammonium Sulfate, Water Solution						
Section 2	Hazards identification						
Pictograms Target orga GHS Class Eye irritation GHS Label	d: WARNING s: No symbol required ans: Liver, Kidneys ification: n (Category 2B) information: Hazard statement: ses eye irritation.	Precautionary statement: P264: Wash hands thoroughly after handling. P305+P351+P338: IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical attention.					

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3 Composition / information on ingredients						
Chemical Name		CAS #	%	EINECS		
Water Ferrous ammonium	sulfate, hexahydrate	7732-18-5 7783-85-9	96.079% 3.921%	231-791-2 233-151-8 (anhydrous)		
Section 4	First aid measures					

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: MAY CAUSE EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire fighting measures

Suitable Extinguishing Media: Use any media suitable for extinguishing supporting fire.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume

Section 6 Accidental release measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Containment and Cleanup: Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling and storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances.

Section 8	Exposure controls / personal protection						
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)			
Exposure Linits.	Iron salt, soluble, as Fe	TWA: 1 mg/m ³	Not established	TWA: 1 mg/m ³			

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9	Physical and chemical pro	operties					
Odor: No odor. Odor threshold: D pH: Data not availa Melting / Freezing poir	able. nt: Approximately 0°C (32°F) (water) roximately 100°C (212°F) (water)	Flammability (Explosion lim Vapor pressur Vapor density Relative density	ate (Water = 1): <1 (solid/gas): Data not its: Lower / Upper: I re (mm Hg): 14 (wate (Air = 1): 0.7 (water) (Specific gravity): App : Complete in water.	Data not available r)	Auto-ignit Decompo Viscosity: Molecular		e: Data not available ure: Data not available. able. ıre
Section 10	Stability and reactivity						
Incompatible mate	: Stable id: Excessive temperatures whic erials: Strong oxidizers. position products: Toxic fumes	ch cause evaporat		Will not occur.			
	position products. Toxic fumes		Sullui Oxide.				
Section 11	Toxicological information	I					
Germ cell mutage Carcinogenity: Da NTP: No componer IARC: No compone OSHA: No compon	nt of this product present at levels ent of this product present at level uent of this product present at level roduct does not contain any chem	s greater than or e Is greater than or els greater than or	equal to 0.1% is ident r equal to 0.1% is iden	ified as probable, pos tified as a carcinogen	sible or confi or potential	rmed human car carcinogen by O	0 1
STOT-repeated ex Aspiration hazard Potential health ef Inhalation: May cau Ingestion: Low toxic Skin: May cause in Eyes: May cause i Signs and sympto not available. Exer	sure: Data not available posure: Data not available : Data not available ffects: use respiratory irritation. Sympto	ages may case nar our knowledge th inimize potential	usea, vomiting, diarrhea ne chemical, physical a hazards.	a, and black stool. Liver	damage, cor		m iron poisoning has been recorded hly investigated. Specific data is
STOT-repeated ex Aspiration hazard Potential health ef Inhalation: May cau Ingestion: Low toxic Skin: May cause in Eyes: May cause i Signs and sympto not available. Exer	sure: Data not available posure: Data not available : Data not available ffects: use respiratory irritation. Sympto ity in small quantities but large dosa ritation with redness and pain. ritation, redness and pain. ons of exposure: To the best of rcise appropriate procedures to m	ages may case nar our knowledge th inimize potential	usea, vomiting, diarrhea ne chemical, physical a hazards.	a, and black stool. Liver	damage, cor		
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STOT-repeated ex Aspiration hazard Potential health ef Inhalation: May cause in Signs and sympto not available. Exer Additional informa Section 12 Toxicity to fish: N Toxicity to fish: N Toxicity to algae: N Persistence and d Mobility in soil: N Other adverse effe Section 13 These disposal guregulations may b Section 14 UN/NA number: Hazard class: N Exceptions: No Section 15 A chemical is consider Comport	sure: Data not available posure: Data not available : Data not available ffects: use respiratory irritation. Sympto ity in small quantities but large dosa ritation with redness and pain. ms of exposure: To the best of cise appropriate procedures to m ation: RTECS #: BR6500000 [F Ecological information to data available a and other aquatic invertebrat No data available egradability: No data available o data available at available at available at available at available at available at available bot applicable Not applicable to applicable applicable at to be listed if the CAS number for	ages may case nai our knowledge th inimize potential errous ammoniur tes: No data avail Bioaccume PBT and vi annot be excluded disposal of cata ordance with all oping name: N king group: N D ERG Guide # the anhydrous form	usea, vomiting, diarrhea he chemical, physical a hazards. m sulfate] able ulative potential: No PvB assessment: No d in the event of unpro- log-size quantities of local, state and fed Not Regulated lot applicable Not applicable is on the Inventory list.	a, and black stool. Liver and toxicological prope o data available fessional handling or eral regulations or o Reportable Qua	damage, cor erties have n disposal. tions may a contract with ntity: No	pply to empty o a licensed cho	hly investigated. Specific data is container. State and/or local emical disposal agency.

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook. Form 06/2015

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Section 1

Identification

"Cutting edge science for the classroom" by Aldon "Cutting edge science for the classroom"

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HYDROGEN PEROXIDE 3% Product Synonyms Hydrogen peroxide aqueous solution, stabilized, Dihydrogen Dioxide Section 2 Hazards identification Signal word: WARNING **Precautionary statement:** Pictograms: No symbol required P264: Wash hands thoroughly after handling. Target organs: Respiratory and gastrointestinal systems, skin, eyes P305+P351+P338: IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **GHS Classification:** P337+P313: If eye irritation persists: Get medical attention. Acute toxicity (Category 5) P312: Call a POISON CENTER or doctor if you feel unwell. Eye irritation (Category 2B) GHS Label information: Hazard statement: H303: May be harmful if swallowed. H320: Causes eye irritation.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3	Composition / information on	ingredients			
Chemical Name		CAS #	%	EINECS	
Water Hydrogen peroxide Acetanilide		7732-18-5 7722-84-1 103-84-4	<97% 3% 0.05%	231-791-2 231-765-0 203-150-7	
Section 4	First aid measures				

Section 4 First aid measures

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES IRRITATION TO EYES. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire fighting measures

Suitable Extinguishing Media: Water only! Apply vast amounts for cooling and dilution.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. This product is a strong oxidizer which may release oxygen and promote the combustion of flammable materials. Spontaneous combustion can occur if allowed to remain in contact with oxidizable materials. Drying of product on clothing or combustible material may cause fire.

Section 6 Accidental release measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Remove all sources of ignition. Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling and storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances.

Section 8	Exposure controls / personal protection						
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)			
Exposure Linits.	Hydrogen peroxide	TWA: 1 ppm ; 1.4 mg/m ³ (A3)	TWA: 1 ppm ; 1.4 mg/m ³	TWA: 1 ppm ; 1.4 mg/m ³			

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

approved respirator.									
Section 9	Physical and chemical pro	perties							
Appearance: Clear, Odor: Slightly punge Odor threshold: Da pH: Data not availab Melting / Freezing point:	colorless liquid. int odor. ta not available. le. Approximately 0°C (32°F) (water) imately 100°C (212°F) (water)	Evaporation ra Flammability (Explosion limi Vapor pressur Vapor density Relative density	ate (Water = 1): <1 solid/gas): Data not its: Lower / Upper: e (mm Hg): 14 (wate (Air = 1): 0.7 (water) (Specific gravity): App : Complete in water.	Data not available r)	Auto-igniti Decompos Viscosity: Molecular	•	: Data not available Ire: Data not available. ble. re		
Section 10	Stability and reactivity								
Chemical stability: Conditions to avoid combustion.	Stable Excessive temperatures, heat		ous polymerization: ame and other source		with combusti	ble materials ma	ay result in spontaneous		
Incompatible materi	als: Acids, bases, metals, meta	al salts, reducing	agents, organic mate	rials, alkalies,dust and	d dirt contamin	nants, flammable	substances, oxidizable materials.		
Hazardous decompo	osition products: Oxygen, wh	ch will promote t	he combustion of flam	mable material.					
Skin corrosion/irrita Serious eye damage Respiratory or skin Germ cell mutageni Carcinogenity: Data NTP: No component IARC classified: Grou OSHA: No componer Ca Prop 65: This pro Reproductive toxici STOT-single exposu STOT-repeated expo Aspiration hazard: Potential health effe Inhalation: May be h Ingestion: May be h Ingestion: May be h Skin: May cause irrit Eyes: May cause irrit Signs and symptom not available. Exercia	of this product present at levels up 3: Not classifiable as to its ca it of this product present at level duct does not contain any chem ty: Data not available re: Data not available Data not available Data not available cts: armful if inhaled. Irmful if swallowed. ation.	greater than or e rcinogenicity to h Is greater than or icals known to th our knowledge th nimize potential	umans. r equal to 0.1% is ider e State of California to ne chemical, physical a hazards.	tified as a carcinoger	n or potential c	carcinogen by OS	SHA. ly investigated. Specific data is		
Toxicity to daphnia a Toxicity to algae: Ch Persistence and deg Mobility in soil: No Other adverse effect Section 13	s: An environmental hazard ca Disposal considerations	es: Daphnia mag 2.5 mg/l/growth Bioaccumu PBT and vi nnot be excluded	na (Crustacia), EC50 rate [Hydrogen perox Ilative potential: No PvB assessment: No d in the event of unpro	= 7.7 mg/l/24 hours [l ide] data available o data available fessional handling or	disposal.		ontainer. State and/or local		
	different. Dispose of in acco			· · · · ·					
Section 14	Transport information								
UN/NA number: Hazard class: No Exceptions: Not	t applicable Pack applicable 2020	bing name: N ing group: N ERG Guide #	0	Reportable Qua	ntity: No	Ma	arine pollutant: No		
Section 15	Regulatory information	ho onbudraus fa	is on the Inventory Pot						
A chemical is considered Compone	to be listed if the CAS number for t	ne annydrous form	CERLCA (RQ)	RCRA code	DSL	NDSL	CA Prop 65		
Hydrogen peroxide		Listed	Not listed	Not listed	Listed	Not listed	This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.		
Section 16	Other information								
dent determinations of s		nation from all sour	ces to assure proper use	of these materials and	the safety and h	ealth of employees	ered by them and must make indepen- s. NTP: National Toxicology Program, osure, RE: Repeated Exposure,		

dent determination of the safety and completeness of information form all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.

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Section 1

Identification

INNOVATING SCIENCE® by Aldon 221 Rock Avon, N

"Cutting edge science for the classroom"

221 Rochester Street Avon, NY 14414-9409 (585) 226-6177

CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory and industrial use only.

Not for drug, food or household use.

Product HYDROGEN PEROXIDE, 6%	
Synonyms Dihydrogen Dioxide	
Section 2 Hazards identification	
Bignal word: WARNING Victograms: GHS07 Target organs: Respiratory and gastrointestinal systems, skin, eyes Bigs BHS Classification: Acute toxicity (Category 4) Eye irritation (Category 2A) BHS Label information: Hazard statement: 1302: Harmful if swallowed. 1319: Causes serious eye irritation.	Precautionary statement: P264: Wash hands thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P312: IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor if you feel unwell. P305+P351+P338: IF IN EYES: Rinse cautiously with water for 15 minutes. Remov contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical attention. P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations. Supplementary information: Do not tamper with venting mechanism.

Health hazards not otherwise classified (HHNOC) - Not Known

Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3	Composition / information on ingredients				
Chemical Name		CAS #	%	EINECS	
Water Hydrogen peroxide Acetanilide		7732-18-5 7722-84-1 103-84-4	<94% 6% 0.05%	231-791-2 231-765-0 203-150-7	
Section 4	First aid measures				

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: MAY BE HARMFUL IF INHALED. CAUSES RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES IRRITATION AND / OR BURNS TO EYES. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: MAY BE HARMFUL IF ABSORBED THROUGH SKIN. CAUSES IRRITATION AND / OR BURNS TO THE SKIN. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire fighting measures

Suitable Extinguishing Media: Water only! Apply vast amounts for cooling and dilution.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. This product is a strong oxidizer which may release oxygen and promote the combustion of flammable materials. Spontaneous combustion can occur if allowed to remain in contact with oxidizable materials. Drying of product on clothing or combustible material may cause fire.

Section 6 Accidental release measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Remove all sources of ignition. Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

ction 7	Handling and storage

Se

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances. Keep away from ignition sources. Do not allow temperature of storage to rise above 100°F.

Section 8	Exposure controls / personal protection					
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)		
Exposure Limits.	Hydrogen peroxide	TWA: 1 ppm ; 1.4 mg/m ³ (A3)	TWA: 1 ppm ; 1.4 mg/m ³	TWA: 1 ppm ; 1.4 mg/m ³		

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9	Physical and chemical pr	operties	
Appearance: Clear, colorless liquid. Odor: Slightly pungent odor. Odor threshold: Data not available. pH: Data not available. Melting / Freezing point: Approximately 0°C (32°F) (water) Boiling point: Approximately 100°C (212°F) (water) Flash point: Data not available		Evaporation rate (Water = 1): <1 Flammability (solid/gas): Data not available. Explosion limits: Lower / Upper: Data not available Vapor pressure (mm Hg): 14 (water) Vapor density (Air = 1): 0.7 (water) Relative density (Specific gravity): Approximately 1.0 (water) Solubility(ies): Complete in water.	Partition coefficient: Data not available Auto-ignition temperature: Data not available Decomposition temperature: Data not available. Viscosity: Data not available. Molecular formula: Mixture Molecular weight: Mixture
Section 10	Stability and reactivity		
Chemical stability Conditions to avo		Hazardous polymerization: Will not occur.	vith combustible materials may result in spontaneous

combustion.

Incompatible materials: Acids, bases, metals, metal salts, reducing agents, organic materials, alkalies, dust and dirt contaminants, flammable substances, oxidizable materials. Hazardous decomposition products: Oxygen, which will promote the combustion of flammable material.

Section 11 **Toxicological information**

Acute toxicity: Oral-rat LD50: 800 mg/kg [50% hydrogen peroxide] Skin corrosion/irritation: Skin-rabbit - Slight irritant. Serious eye damage/irritation: Eyes-rabbit - Severe irritant. Respiratory or skin sensitization: Data not available Germ cell mutagenicity: Data not available Carcinogenity: Data not available NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. IARC classified: Group 3: Not classifiable as to its carcinogenicity to humans. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Ca Prop 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity. Reproductive toxicity: Data not available STOT-single exposure: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects. STOT-repeated exposure: Data not available Aspiration hazard: Data not available Potential health effects: Inhalation: Expected to be irritating to respiratory tract. Ingestion: Expected to cause burns to the gastrointestinal tract. Skin: Expected to cause irritation and/or burns. As the concentration or time of exposure increases, the extent of damage increases. Eyes: Expected to cause irritation and/or burns. Could cause corneal damage which may occur 15 days later. Signs and symptoms of exposure: See Potential health effects above. Medical conditions which may be aggravated by exposure include conjunctivitis of the eye, dermatitis of the skin, asthma and respiratory diseases. Additional information: RTECS #: MX0900000 [Hydrogen peroxide] Section 12 Ecological information Toxicity to fish: Gambusia affinis (fish, fresh water), NOEC = 2.38 - 9.86 mg/l [Hydrogen peroxide] Toxicity to daphnia and other aquatic invertebrates: Daphnia magna (Crustacia), EC50 = 7.7 mg/l/24 hours [Hydrogen peroxide]

Toxicity to algae: Chlorella vulgaris (Algae), EC50 = 2.5 mg/l/growth rate [Hydrogen peroxide]

Persistence and degradability: No data available Bioaccumulative potential: No data available Mobility in soil: No data available

PBT and vPvB assessment: No data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Disposal considerations Section 13

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

Section 14 Transport in	nformation					
UN/NA number: Not applicabl Hazard class: Not applicable Exceptions: Not applicable	Packing group:	: Not Regulated Not applicable e # Not applicable	Reportable Qu	ıantity: No	Ma	arine pollutant: No
Section 15 Regulatory	information					
A chemical is considered to be listed if the	CAS number for the anhydrous	form is on the Inventory list	t.			
Component	TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	CA Prop 65
Hydrogen peroxide	Lister	Not listed	Not listed	Listed	Not listed	This product does not con any chemicals known to t

Section 16 Other information

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook Form 06/2015

CA Prop 65 This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.

GENERAL STORAGE CODE GREEN

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Section 1

Identification

INNOVATING SCIENCE

"Cutting edge science for the classroom"

by Aldon 221 Rochester Street Avon, NY 14414-9409 (585) 226-6177 CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory and industrial use only.

Not for drug, food or household use.

Product POTA	ASSIUM PERMANGANATE, 0.02 MOLAR SOLUTION	
Synonyms Potas	ssium Permanganate, Water Solution	
Section 2	Hazards identification	
Signal word: WAR Pictograms: GHS0 Target organs: No	09 P273 one known P312 P391 P501	autionary statement: Avoid release to the environment. Call a POISON CENTER or doctor if you feel unwell. Collect spillage. Dispose of contents/container to a licensed chemical disposal agency in rdance with local/regional/national regulations.
GHS Classification Acute toxicity, inges Aquatic acute (Cate Aquatic chronic (Cat	stion (Category 5) egory 1)	
H303: May be harm	ation: Hazard statement: nful if swallowed. aquatic life with long lasting effects.	
Physical hazards no	otherwise classified (HHNOC) - Not Known ot otherwise classified (PHNOC) - Not Known	
Section 3	Composition / information on ingredients	

Section 3 Composition / information o	n ingredients			
Chemical Name	CAS #	%	EINECS	
Water Potassium permanganate	7732-18-5 7722-64-7	99.7% 0.3%	231-791-2 231-760-3	
Section 4 First aid measures				

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: MAY BE HARMFUL IF INHALED. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: MAY CAUSE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: MAY CAUSE IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire fighting measures

Suitable Extinguishing Media: Use any media suitable for extinguishing supporting fire.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate from this soltuion which may cause hazardous decompostion products to be formed as dust or fume.

Section 6 Accidental release measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation. **Environmental Precautions:** Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling and storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances.

Section 8	Exposure controls / personal protection					
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)		
Exposure Limits.	Manganese and inorganic compounds, as Mn	TWA: 0.2 mg/m ³ (A4)	STEL: C 5 mg/m ³	TWA: 1 mg/m ³ / STEL: 3 mg/m ³		

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9 Physical and chemical properties Appearance: Liquid, purple water-like. Evaporation rate (Water = 1): <1
Odor: No odor. Flammability (solid/gas): Data not available. Auto-ignition temperature: Data not available
PH: Data not available. Melting / Freezing point: Approximately 10°C (32°F) (water) Boiling point: Approximately 100°C (212°F) (water) Flash point: Data not available.
Section 10 Stability and reactivity
Chemical stability: Stable Hazardous polymerization: Will not occur. Conditions to avoid: Excessive temperatures which cause evaporation. Incompatible materials: Alcohols, arsenites, bromides, iodides, charcoal, hydrochloric acid, organic materials, ferrous or mercurous salts, hypophosphites, hyposulfites, sul-
fites, peroxides, oxalates, strong reducing agents, strong acids, formaldehyde, ethylene glycol, combustible organics, metal powders.
Hazardous decomposition products: Oxygen, oxides of potassium, oxides of manganese.
Section 11 Toxicological information
Skin corrosion/irritation: Data not available Serious eye damage/irritation: Data not available Respiratory or skin sensitization: Data not available Germ cell mutagenicity: Data not available TP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Ca Prop 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity. Reproductive toxicity: Data not available STOT-single exposure: Data not available STOT-repeated exposure: Data not available Potential health effects: Inhalation: May be harmful if inhalation. Ingestion: May be harmful if inhalation. Ingestion: May be harmful if inhalation. Eyee: Contact causes irritation. Eyee: Contact causes irritation. Eyee: Contact causes irritation. Signs and symptoms of exposure: To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards. Additional information: RTECS #: SD6475000 [Potassium permanganate]
Section 12 Ecological information
Toxicity to fish: Gambusia affinis (fish, fresh water), LC100 = 18 mg/L/24 hours [Potassium permanganate] Toxicity to daphnia and other aquatic invertebrates: Daphnia magna (Crustacea), EC0 = >0.63 mg/L [Potassium permanganate] Toxicity to algae: Anabaena sp. (Algae), EC50 = <0.5 mg/L/18 days/growth rate [Potassium permanganate] Persistence and degradability: No data available Mobility in soil: No data available Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Section 13 Disposal considerations
These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.Section 14Transport information
UN/NA number:Not applicableShipping name:Not RegulatedHazard class:Not applicablePacking group:Not applicableReportable Quantity:*See BelowMarine pollutant:NoExceptions:Not applicable2020 ERG Guide #Not applicableReportable Quantity:*See BelowMarine pollutant:No
Section 15 Regulatory information
A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list. Component TSCA CERLCA (RQ) RCRA code DSL NDSL CA Prop 65
Potassium permanganate Listed *100 lbs (45.4 kg) D001 Listed Not listed any chemicals known to the State of California to cause cancer or reproductive toxicity.
Section 16 Other information The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make indep

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook. Form 06/2015

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Section 1

Identification

INNOVATING SCIENCE® by Aldon 221 Roc Avon. N

"Cutting edge science for the classroom"

221 Rochester Street Avon, NY 14414-9409 (585) 226-6177

CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory and industrial use only. Not for drug, food or household use.

Product	SULFURIC ACID, 6 MOLAR (12 NORMAL) SOLUTION	
Synonyms	Sulfuric Acid, Water Solution (6M/12N)	
Section 2	Hazards identification	
Pictograms Target orga GHS Classi Corrosive to Skin corrosive Eye damage Acute toxicit Carcinogeni GHS Label H290: May b H314: Causs H330: Fatal	metals (Category 1) on (Category 1A) e (Category 1) y, inhalation (Category 2) city (Category 1A) information: Hazard statement(s): pe corrosive to metals. es severe skin burns and eye damage.	 Precautionary statement(s): P234: Keep only in original container. P260: Do not breathe mist/vapours/spray. P264: Wash hands thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P280: Wear protective gloves/protective clothing/eye protection/face protection. P284: Wear respiratory protection. P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P363: Wash contaminated clothing before reuse. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310: Immediately call a POISON CENTER or doctor. P305+P351+P338: IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continuer rinsing. P390: Absorb spillage to prevent material damage. P403+P233: Store in a well-ventilated place. Keep container tightly closed. P405: Store locked up. P406: Store in corrosive resistant container with a resistant inner liner. P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3	Composition / information on ingredients				
Chemical Name		CAS #	%	EINECS	
Water Sulfuric acid		7732-18-5 7664-93-9	68.6% 31.4%	231-791-2 231-639-5	
Section 4	First aid measures				

INGESTION: Harmful or fatal if swallowed. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Harmful or fatal if inhaled. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: Causes severe burns. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: Causes severe burns. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire fighting measures

Suitable Extinguishing Media: Product is a water reactive material, DO NOT USE WATER! Use dry chemicals only for extinguishing.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water on combustibles burning in vicinity of acid but use care as water applied to the acid results in severe generation of heat and may cause boiling and splattering. Sulfuric acid will not burn, but is capable of igniting finely divided combustible materials on contact. May react violently with organic materials and water with the evolution of heat. Contact with reactive metals, e.g. aluminum, may result in the generation of flammable hydrogen gas.

Section 6 Accidental release measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Remove all sources of ignition. Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling and storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances. Hygroscopic material. Never add water to this solution, always add acid, slowly and in small amounts to water to avoid splattering.

Section 8	Exposure controls / personal protection			
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
	Sulfuric acid	TWA: 0.2 mg/m ³ (A2)	TWA: 1 mg/m ³	TWA: 1 mg/m ³

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low. Respiratory protection: Use a chemical fume hood and/or wear a NIOSH/MSHA-approved respirator.

Section 9 Physical and chemical properties Appearance: Clear to slightly cloudy liquid. Evaporation rate (Water = 1): <1 Partition coefficient: Data not available Odor: Slightly pungent odor. Flammability (solid/gas): Data not available. Auto-ignition temperature: Data not available Odor threshold: Data not available Explosion limits: Lower / Upper: Data not available Decomposition temperature: Data not available. pH: Data not available. Vapor pressure (mm Hg): 14 (water) Viscosity: Data not available. Vapor density (Air = 1): 0.7 (water) Melting / Freezing point: Approximately 0°C (32°F) (water) Molecular formula: Mixture Boiling point: Approximately 100°C (212°F) (water) Molecular weight: Mixture Relative density (Specific gravity): Approximately 1.0 (water) Flash point: Data not available Solubility(ies): Complete in water. Section 10 Stability and reactivity Chemical stability: Stable Hazardous polymerization: Will not occur. Conditions to avoid: Avoid contact with water and heat. Avoid temperatures above 250°C (482°F). Incompatible materials: Alkalies, amines, anhydrides, combustibles, organics, oxidizers, powdered metals. Hazardous decomposition products: Sulfur trioxide and/or sulfur dioxide. Hydrogen gas by reaction with metals. Section 11 **Toxicological information** Acute toxicity: Oral-rat LD50: 2140 mg/kg ; Inhalation-rat LC50: 510 mg/m3/2 hours (Sulfuric acid) Skin corrosion/irritation: Skin-rabbit - causes burns (Sulfuric acid) Serious eye damage/irritation: Eyes-rabbit - causes burns (Sulfuric acid) Respiratory or skin sensitization: Data not available Germ cell mutagenicity: Data not available Carcinogenity: Data not available NTP: This product contains a chemical known to be a human carcinogen. (Sulfuric acid) IARC classified: Group 1: Carcinogenic to humans. [Acid mists, strong inorganic] OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. CA Prop 65: A WARNING! This product can expose you a chemical, Strong inorganic acid mists containing sulfuric acid, which is known to the State of California to cause cancer Reproductive toxicity: Data not available STOT-single exposure: Data not available STOT-repeated exposure: Data not available Aspiration hazard: Data not available Potential health effects: Inhalation: Inhalation of this material is irritating and/or corrosive to the nose, throat and lungs. It may also cause burns to the respiratory tract with the production of lung edema which can result in shortness of breath, wheezing, choking, chest pain and impairment of lung function. Inhalation of high concentrations may result in permanent lung damage. Repeated inhalation may cause bronchitis, and also etching of dental enamel followed by the erosion of the enamel and dentine with loss of tooth substance. Ingestion: Ingestion may cause irritation and/or burns to the entire gastrointestinal tract, including the stomach and intestines, characterized by nausea, vomiting, diarrhea, abdominal pain, bleeding and/or tissue ulceration. Skin: Skin contact can cause severe irritation and/or burns characterized by redness, swelling and scab formation. Eyes: Severe irritation and/or burns can occur following eye exposure. Contact may cause impairment of vision and corneal damage Signs and symptoms of exposure: Burning sensation, cough, wheezing, laryngitis, shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Additional information: RTECS #: WS5600000 (Sulfuric acid) Section 12 Ecological information Toxicity to fish: LC50 - Gambusia affinis (Mosquito fish) - 42 mg/l - 96 h (Sulfuric acid) Toxicity to daphnia and other aquatic invertebrates: Crangon crangon (crustacea) 70-80 mg/l/48 hours (Sulfuric acid) Toxicity to algae: No data available Persistence and degradability: No data available Bioaccumulative potential: No data available Mobility in soil: No data available PBT and vPvB assessment: No data available Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Section 13 **Disposal considerations** These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency. Transport information Section 14 UN/NA number: UN2796 Shipping name: Sulfuric acid Hazard class: 8 Packing group: || Reportable Quantity: 1,000 lbs (454 kg) Marine pollutant: No Exceptions: Limited quantity equal to or less than 1 L 2020 ERG Guide # 157 Section 15 **Regulatory information** A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list. DSL NDSL CA Prop 65 Component TSCA CERLCA (RQ) RCRA code Sulfuric acid Listed 1000 lbs (454 kg) D002 Listed Not listed \Lambda WARNING -Cancer www.P65Warnings.ca.gov

Section 16 Other information

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook Form 06/2015