# SAFETY DATA SHEET

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Section 1

Identification

### INNOVATING SCIENCE® by Aldon 221 Roct 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 S	SULFURIC ACID SOLUTION, 0.02M / 0.04N	
Synonyms S	Sulfuric Acid, Water Solution	
Section 2	Hazards identification	
GHS Classifica Skin corrosion Eye damage (C GHS Label infe H314: Causes	GHS05 : Respiratory system, skin, eyes, teeth. ation: (Catagory 1A)	<ul> <li>Precautionary statement(s):</li> <li>P260: Do not breathe mist/vapours/spray.</li> <li>P264: Wash hands thoroughly after handling.</li> <li>P280: Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</li> <li>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</li> <li>P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.</li> <li>P305+P351+P338: IF IN EYES: Rinse cautiously with water for 15 minutes.</li> <li>Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P310: Immediately call a POISON CENTER or doctor.</li> <li>P403+P233: Store in a well-ventilated place. Keep container tightly closed.</li> <li>P405: Store locked up.</li> <li>P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.</li> </ul>

### 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	99.88% 0.12%	231-791-2 231-639-5	
Section 4	First aid measures				

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

EYE CONTACT: CAUSES SERIOUS 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: CAUSES 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: 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 prot	ection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Limits.	Sulfuric acid	TWA: 0.2 mg/m <sup>3</sup> (A2)	TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>

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.

Physical and chemical properties Section 9 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: 🛆 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. 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. Section 14 Transport information 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 Component TSCA CERLCA (RQ) RCRA code CA Prop 65 MARNING -Cancer -Sulfuric acid Listed 1000 lbs (454 kg) D002 Listed Not listed 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

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Identification

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

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Product	VERMICULITE	
Synonyms	None assigned	
Section 2	Hazards identification	
Pictograms	: WARNING GHS07 1s: None known	Precautionary statement(s): P261: Avoid breathing dust. P271: Use only outdoors or in a P304+P340: IF INHALED: Ren comfortable for breathing. P312: Call a POISON CENTEF P403+P233: Store in a well-vei

GHS Classification: STOT-SE (Category 3)

### GHS Label information: Hazard statement(s): H335: May cause respiratory irritation.

# dust

rs or in a well-ventilated area. ED: Remove person to fresh air and keep in a position CENTER or doctor if you feel unwell. well-ventilated place. Keep container tightly closed. P405: Store locked up. P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

### Supplemental information:

Avoid processes that generate excessive dust and wear appropriate dust protection equipment to minimize potential hazards from chronic inhalation hazards.

### 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	
Vermiculite		1318-00-9	100%	None assigned	
Contains: Quartz		14808-60-7	<0.1%	238-878-4	
O setting 4	First std as second				

#### Section 4 First aid measures

INGESTION: 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 CAUSE IRRITATION AND SORENESS IN THROAT AND NOSE. IN EXTREME EXPOSURES SOME CONGESTION MAY OCCUR. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention

EYE CONTACT: TEMPORARY IRRITATION OR INFLAMMATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower evelids 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: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

#### 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: Minimize dust generation and accumulation. Use a dust suppressant such as water. 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 dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

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

Section 8	Exposure controls / personal pro	tection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Linits.	Silica, crystalline, $\alpha$ -guartz	TWA: 0.025 mg/m <sup>3</sup> (A2) respirable	Not listed	TWA: 0.05 mg/m <sup>3</sup> respirable

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 dusty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9	Physical and chen	nical properties						
Ddor: No odor. Ddor threshold: [ DH: Data not avail	lable <b>3 point:</b> 1350°C (2462°F) ita not available	Flammability Explosion lin Vapor pressu Vapor densit Relative dens	rate ( = 1): Data not : (solid/gas): Not appli nits: Lower / Upper: ure (mm Hg): Data not y (Air = 1): Data not a sity (Specific gravity): ): Negligible in water (	cable Not applicable : available vailable 2.5	Auto-igniti Decompos Viscosity: Molecular	oefficient: Data on temperature: ition temperatur Not applicable formula: Mixture weight: Mixture	: Not applicable <b>re:</b> Data not availa e	ble
Section 10	Stability and react	ivity						
Chemical stability Conditions to avo	-	Hazaro	lous polymerization:	Will not occur.				
	terials: Hydrofluoric acid.							
-	mposition products: Nor		tetrafluoride gas will re	sult with contact with	hydrofluoric ac	cid.		
Section 11	Toxicological info	rmation						
OSHA: No compor Ca Prop 65: This p <b>Reproductive tox</b>	nent of this product presen nent of this product prese product does not contain a <b>kicity:</b> Data not available	nt at levels greater than any chemicals known to	or equal to 0.1% is identified to 0.1%	ntified as a carcinog to cause cancer or re	en or potential o eproductive toxi	carcinogen by OS icity.	SHA.	
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# SAFETY DATA SHEET

Page E1 of E2

Section 1

Identification

# INNOVATING SCIENCE<sup>®</sup> by Aldon 221 Rod

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

FERTILIZER 24-8-16 Product Synonyms Plant Nutrient; Nutrient QuickSolution Section 2 Hazards identification Signal word: WARNING Precautionary statement: Pictograms: GHS07 P261: Avoid breathing dust. Target organs: None known 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. P302+P352: IF ON SKIN: Wash with plenty of water and soap. 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: P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for Skin irritation (Category 2) breathing. Eye irritation (Category 2A) P312: Call a POISON CENTER or doctor if you feel unwell. STOT-SE (Category 3) P332+P313: If skin irritation occurs: Get medical attention. P337+P313: If eye irritation persists: Get medical attention. GHS Label information: Hazard statement: P362+P364: Take off contaminated clothing and wash it before reuse. H315: Causes skin irritation. P403+P233: Store in a well-ventilated place. Keep container tightly closed. H319: Causes serious eye irritation. P405: Store locked up. H335: May cause respiratory irritation. 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	
Total Nitrogen Available Phosphate Soluble Potash		Not available Not available Not available	24% 8% 16%		
Section 4	First aid measures				

### Section 4 First aid measures

**INGESTION:** 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: 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: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

# 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: 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 dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

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

Section 8	Exposure controls / personal prot	ection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Limits.	Particulate not otherwise classified	None established	TWA: 15 mg/m <sup>3</sup> total dust	None established

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 dusty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Appearance:         Solid, Bluish green, crystals.         Evaporation rate (=1): Data not available.         Partition coefficient: Data not available.           Odor:         No odor.         Data not available.         Partition coefficient: Data not available.         Partition coefficient: Data not available.           Odor:         The and available.         Partition coefficient: Data not available.         Partition coefficient: Data not available.           Pash point:         Data not available.         Viscosify: Data not available.         Viscosify: Data not available.           Pash point:         Data not available.         Viscosify: Data not available.         Viscosify: Data not available.           Conditions to avoid:         Excessive temperatures and heat.         Incompatible materials: None known.         Hazardous polymerization: Will not occur.           Acute toxicity:         Carls not available         Partition coefficient: Data not available.         Viscosify: Data not available.           Strin corresolution products:         Carls not available.         Note:		Discustered and also sets all	proportios					
Calci: No code:         Calci: An of available         Auto-paritient features         Auto-paritient representation:         But-oparitient features         But-oparitien fe	Section 9	Physical and chemical	properties					
Chamical stability: Stable       Hazardous polymerization: Will not occur:         Conditions to avoid: Excessive temperatures and heat.       Incompatible materials: Noe known.         Hazardous decomposition products: Carbon oxides, nitrogen oxides, phosphorous oxides, and ammonia.         Section 11       Toxicological information         Acute toxicity: Craineral LDSD: Data not available       Sprintory or skin sensitization: Data not available         Stin corresion/intritation: Data not available       Sprintory or skin sensitization: Data not available         Gernicengenty: Data not available       Sprintory or skin sensitization: Data not available         Gernicengenty: Data not available       Sprintory or skin sensitization: Data not available         Gernicengenty: Data not available       Sprintory or skin sensitization: Data not available         Gordina control       Sprintory or skin nor equal to 0.1% is identified as a known or anticipated carcinogen by NTP.         IAGC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or portenial carcinogen by OSHA.         Car Pop 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       Sprintory or skin not available         Storice rung: cause initation and coughing: impediments information       Sprintory or skin now available         Storice rung: cause initation and coughing: impedimenteseq	Odor: No odor. Odor threshold: Da pH: Data not availab Melting / Freezing p Boiling point: Data	ata not available. ble. point: Data not available not available	Flammability (s Explosion limit Vapor pressure Vapor density Relative density	solid/gas): Data not a ts: Lower / Upper: D e (mm Hg): Data not a (Air = 1): Data not av (Specific gravity): Data	available. Data not available available ailable	Auto-igniti Decompos Viscosity: Molecular	ion temperature sition temperatu Data not availab formula: Mixtur	e: Data not available ure: Data not available. ble. re
Conditions to avoid: Excessive temperatures and heat. Incompatible materials: None known. Hazardous decomposition products: Carbon oxides, nitrogen oxides, phosphorous oxides, and ammonia. Section 1 Toxicological information Acute toxicity: Oral-ret LOSO: Date not available Serious sey damage/irritation: Data not available Serious sey damage/irritation: Data not available Germ cell mutagenicity: Data not available Serious contain any chemicals known to the State of California to cause cancer or reproductive toxicity. Serious contain any chemicals known to the State of California to cause cancer or reproductive toxicity. Serious contain any chemicals known to the State of California to cause cancer or reproductive toxicity. Serious contain any chemicals known to the State of California to cause cancer or reproductive toxicity. Serious contain may cause initiation Serious not available Serious transmission: Indiana down and coughing. Indiastion: Inhalation may cause and available Section 12 Ecological Information Section 12 Ecological Information Section 13 Deposite consult invertenters: No data available Mobility in soil: No data available Mobility in soi	Section 10	Stability and reactivity				1		
Hazardous decomposition products: Carbon oxides, nitrogen oxides, phosphorous oxides, and ammonia.  Section 1  Toxicological information Acute toxicity: Oral-rot LDS0: Data not available Sorious one damagnificitation: Data not available Sorious one damagnificitation: Data not available Germ cell mutagenicity: Data not available STOI-ingle exposure: Data not available Stoic Contat may cause intaiton and coughing: Ingestion: Ingestion may cause intaiton and coughing: Ingestion: Resetion may cause intaiton Stress: Contact may cause intaiton Stress: Not applicable Parking trans. Stress: 1	-	Stable	Hazardo	ous polymerization: \	Will not occur.			
Section 11         Toxicological Information           Acute toxicity: Crainat LD50: Data not available         Skin corresion/irritation: Data not available           Serious eye damage/irritation: Data not available         Serious eye damage/irritation: Data not available           Gern cell mutagenicity: Data not available         Gern cell mutagenicity: Data not available           Gern cell mutagenicity: Data not available         Gern cell mutagenicity: Data not available           Carcinogenity: Data not available         Gern cell mutagenicity: Data not available           Carcinogenity: Data not available         Gern cell mutagenicity: Data not available           Carcinogenity: Data not available         Gern cell mutagenicity: Data not available           Carcinogenity: Data not available         Gern cell mutagenicity: Data not available           Carcinogenity: Data not available         Gern cell mutagenicity: Data not available           Carcinogenity: Data not available         Gern cell mutagenicity: Data not available           Stription for acute instruction and coughing, ingestori: Data not available         Former cell mutagenicity: Cell not available           Stription and cause initiation and coughing, ingestori: Ingestori mot available         Former cell mutagenicity: Cell not available           Specific 12         Ecological information         FECE           Stription 13         Discource available         Formial hazards: Addition al information	Incompatible mater	ials: None known.						
Acute toxicity:       Contract LDS0: Data not available         Skince yee damage initiation:       Data not available         Septrace yer damage initiation:       Data not available         Septrace yer damage initiation:       Data not available         Service yee damage initiation:       Data not available         NTP: Noncomponent of this product present at levels greater than or equal to 0.1% is identified as a noncorpon or potential carcinogen by NTP.         NDP: Noncomponent of this product present at levels greater than or equal to 0.1% is identified as a cancer or peroductive toxicity.         COHA toxicity:       Data not available         ST01-rope approprime:       Data not available         Strin:       Contat may cause initiation.	Hazardous decomp	osition products: Carbon o	oxides, nitrogen oxide	es, phosphorous oxide	es, and ammonia.			
Skin corosion/irritation: Data not available         Respiratory or skin sensitization: Data not available         Gern cell mutagenicity: Data not available         Carcinogenity: Data not available         DRP: 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.         LARC: No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by VSR.         Ca Prop 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.         STOT-repreted exposure: Data not available         STOT-repreted exposure: Data not available         STOT-repreted exposure: To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data not available         Storia valiable       Specific this modulater intervention and couphing.         Ingestion: I	Section 11	Toxicological informat	ion					
Toxicity to fish: No data available         Toxicity to fish: No data available         Toxicity to daphnia and other aquatic invertebrates: No data available         Toxicity to algae: No data available         Bioaccumulative potential: No data available         Persistence and degradability: No data available         PBT and vPvB assessment: No data available         Object to data available         PBT and vPvB assessment: No data available         Object to data available         Disposal considerations         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 loc 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 information         UN/NA number: Not applicable       Shipping name: Not Regulated         Hazard class: Not applicable       Packing group: Not applicable         Section 15       Regulatory information         Achemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.	NTP: No component IARC: No componen OSHA: No compone Ca Prop 65: This pro Reproductive toxic STOT-single expose	t of this product present at levent of this product present at levent of this product present at levent of this product present at loduct does not contain any chity: Data not available	evels greater than or levels greater than or	equal to 0.1% is identi r equal to 0.1% is iden	fied as probable, po tified as a carcinoge	ssible or confi n or potential	rmed human car carcinogen by O	
Toxicity to fish: No data available         Toxicity to fish: No data available         Toxicity to daphnia and other aquatic invertebrates: No data available         Toxicity to algae: No data available         Bioaccumulative potential: No data available         Persistence and degradability: No data available         PBT and vPvB assessment: No data available         Object to data available         PBT and vPvB assessment: No data available         Object to data available         Disposal considerations         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 loc 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 information         UN/NA number: Not applicable       Shipping name: Not Regulated         Hazard class: Not applicable       Packing group: Not applicable         Section 15       Regulatory information         Achemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.	Aspiration hazard: Potential health effe Inhalation: Inhalation Ingestion: Ingestion Skin: Contact may of Eyes: Contact may of Signs and symptom not available. Exerci	bosure: Data not available Data not available ects: n may cause irritation and co may cause irritation. cause irritation. cause irritation. ns of exposure: To the best ise appropriate procedures to	g, and diarrhea. t of our knowledge th		ind toxicological pro	perties have n	ot been thorough	nly investigated. Specific data
These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or loc 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 information UN/NA number: Not applicable Shipping name: Not Regulated Hazard class: Not applicable Packing group: Not applicable Reportable Quantity: No Marine pollutant: No Exceptions: Not applicable 2020 ERG Guide # Not applicable 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 Total nitrogen Available phosphates Soluble potash Listed Not list	Aspiration hazard: Potential health effe Inhalation: Inhalation Ingestion: Ingestion Skin: Contact may of Eyes: Contact may of Signs and symptom not available. Exerci	bosure: Data not available Data not available ects: n may cause irritation and co may cause nausea, vomiting cause irritation. cause irritation. ns of exposure: To the best ise appropriate procedures to tion: RTECS #: None	g, and diarrhea. t of our knowledge th o minimize potential l		and toxicological pro	perties have n	ot been thorough	nly investigated. Specific data
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Section 14 Transport information         UN/NA number: Not applicable       Shipping name: Not Regulated         Hazard class: Not applicable       Packing group: Not applicable       Reportable Quantity: No       Marine pollutant: No         Exceptions: Not applicable       2020 ERG Guide # Not applicable       Reportable Quantity: No       Marine pollutant: No         Section 15       Regulatory information       Component       TSCA       CERLCA (RQ)       RCRA code       DSL       NDSL       CA Prop 65         Total nitrogen       Listed       Not listed       Not listed       Listed       Not listed       This product does not contain any chemicals known to the 5t of California to cause cancer of California to cause	Aspiration hazard: Potential health efforest Inhalation: Inhalation Ingestion: Ingestion Skin: Contact may of Signs and symptom not available. Exercit Additional informat Section 12 Toxicity to fish: No Toxicity to daphnia Toxicity to algae: No Persistence and de Mobility in soil: No Other adverse effect Section 13	bosure: Data not available Data not available ects: n may cause irritation and co may cause irritation. cause irritation. ns of exposure: To the besi ise appropriate procedures to tion: RTECS #: None Ecological information data available and other aquatic inverteb o data available gradability: No data available data available cts: An environmental hazare Disposal consideration	g, and diarrhea. t of our knowledge th o minimize potential l orates: No data availa ple Bioaccumu PBT and vi d cannot be excluded ns	hazards. able ulative potential: No PvB assessment: No d in the event of unpro	data available o data available fessional handling c	r disposal.		
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