# SAFETY DATA SHEET

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Section 1 Chemical Pro

Chemical Product and Company Identification

# Innovating Science<sup>®</sup> by Aldon Corporation

"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 use only.

Not for drug, food or household use.

Product	DIPHENYLAMINE OXIDATION-REDUCTION INDICATOR SOLUTION	
Synonyms	Diphenylamine-Sulfuric Acid Solution	
Section 2	Hazards Identification	
Pictograms Target orga GHS Classi Corrosive to Skin corrosi Eye damage Acute toxicil Carcinogeni GHS Label H290: May I H314: Caus H330: Fatal	o metals (Category 1) ion (Category 1A) e (Category 1) ty, inhalation (Category 2) icity (Category 1A) information: Hazard statement(s): be corrosive to metals. ses severe skin burns and eye damage.	<ul> <li>Precautionary statement(s):</li> <li>P234: Keep only in original container.</li> <li>P260: Do not breathe mist/vapours/spray.</li> <li>P264: Wash hands thoroughly after handling.</li> <li>P271: Use only outdoors or in a well-ventilated area.</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>P363: Wash contaminated clothing before reuse.</li> <li>P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.</li> <li>P310: Immediately call a POISON CENTER or doctor.</li> <li>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.</li> <li>Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P303: Absorb spillage to prevent material damage.</li> <li>P403+P233: Store in a well-ventilated place. Keep container tightly closed.</li> <li>P406: Store in corrosive resistant container with a resistant inner liner.</li> <li>P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.</li> </ul>

Ca Prop 65: This chemical is known to the State of California to cause cancer (Strong inorganic acid mists containing sulfuric acid).

Section 3	Composition / Information on Ingredients					
Chemical Name		CAS#	%	EINECS		
Sulfuric acid Diphenylamine		7664-93-9 122-39-4	99.25% 0.75%	231-639-5 204-539-4		
Section 4	First Aid Measures	1				

**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.

ection 7	Handling & 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, dry, 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)			
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.

Section 9 **Physical & Chemical Properties** Appearance: Clear, oily liquid. Partition coefficient: Data not available. Evaporation rate ( = 1): 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: Upper/Lower: Data not available. Decomposition temperature: Data not available Vapor pressure (mm Hg): Variable\* pH: Data not available Viscosity: Data not available. Melting / Freezing point: <11°C (52°F)\* Vapor density (Air = 1): Data not available. Molecular formula: Mixture Boiling point: Approximately 275-325°C (527-617°F)\* Molecular weight: Mixture Relative density (Specific gravity): 1.16 - 1.84\* Flash point: Not flammable. Solubility(ies): Complete in water. \*Sulfuric acid Section 10 Stability & 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] Oral-rat LD50: 1165 mg/kg [Diphenylamine] 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] [Sulfuric acid] 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. 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 (US DOT / CANADA TDG) Section 14 UN/NA number: UN1830 Shipping name: Sulfuric acid solution 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 2012 ERG Guide # 137 Section 15 **Regulatory Information** A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list. CERLCA (RQ) RCRA code DSL NDSL Component TSCA Sulfuric acid Listed 1000 lbs (454 kg) D002 Listed Not listed 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

# SAFETY DATA SHEET

221 Rochester Street

Avon, NY 14414-9409

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Section 1

Chemical Product and Company Identification

Innovating Science<sup>®</sup> by Aldon Corporation

CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300

For laboratory use only. Not for drug, food or household use.

CL	itting edge science for the classroom"	(585) 226-6177	Not for drug, food or household use.
Product	LEAD NITRATE, 0.05 MOLAR SOLUTION		
Synonyms	Lead Dinitrate, Aqueous Solution		
Section 2	Hazards Identification		
Pictograms Target orga GHS Classi Acute toxicit Eye irritation Acute toxicit Reproductiv STOT-RE (0 Acute aquat Chronic aqu GHS Label H303 + H33 H320: Caus H360: May ( H373: May (	ty, Oral (Category 5) n (Category 2B) ty, Inhalation (Category 5) re toxicity (Category 1A)	xposure.	<ul> <li>Precautionary statement(s):</li> <li>P201: Obtain special instructions before use.</li> <li>P202: Do not handle until all safety precautions have been read and understood.</li> <li>P260: Do not breathe mist/vapours/spray.</li> <li>P264: Wash hands thoroughly after handling.</li> <li>P270: Do not eat, drink or smoke when using this product.</li> <li>P271: Use only outdoors or in a well-ventilated area.</li> <li>P273: Avoid release to the environment.</li> <li>P280: Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>P301+P330+P312: IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.</li> <li>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.</li> <li>Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P337+P313: If eye irritation persists: Get medical attention.</li> <li>P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.</li> <li>P308+P313: IF exposed or concerned: Get medical attention.</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>

Ca Prop 65: This product contains a chemical known to the State of California to cause cancer or reproductive toxicity (Lead and lead compounds, cancer).

Section 3	Composition / Information on Ingredients					
Chemical Name		CAS #	%	EINECS		
Water Lead nitrate		7732-18-5 10099-74-8	98.34% 1.66%	231-791-2 233-245-9		
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: CAUSES 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: MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN 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: Carbon dioxide, dry chemical, dry sand, alcohol foam. 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: 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 Page E2 of E2 Handling & 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 Limiter	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)			
Exposure Limits:	Lead & inorganic compounds, as Pb	TWA: 0.05 mg/m <sup>3</sup> (A3)	TWA: 0.05 mg/m <sup>3</sup>	TWA: 0.05 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: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHA-

approved respirator.	tion. None should be needed if		y narioling at room ter	nperatures. In misty						
Section 9	Physical & Chemical Prop	erties								
	ristic odor. ata not available. ble. : Approximately 0°C (32°F) (water) ximately 100°C (212°F) (water)	Evaporation rate ( Water = 1): <1       Partition coeff         Flammability (solid/gas): Data not available.       Auto-ignition f         Explosion limits: Lower / Upper: Data not available       Decompositio         Vapor pressure (mm Hg): 14 (water)       Viscosity: Data         Vapor density (Air = 1): 0.7 (water)       Molecular form				•	: Data not available <b>re:</b> Data not available. le.			
Section 10	Stability & Reactivity									
	Chemical stability:       Stable       Hazardous polymerization:       Will not occur.         Conditions to avoid:       Excessive temperatures which cause evaporation.									
Incompatible mater	rials: Ammonium thiocyanate, p	owdered carbon,	lead hypophosphite.							
Hazardous decomp	oosition products: Lead oxide	and nitrogen oxi	des.							
Section 11	Toxicological Information									
Serious eye damag Respiratory or skir Germ cell mutagen Carcinogenity: Da NTP: (R) Reasonabi IARC classified: Gro OSHA: No compone Reproductive toxic STOT-single expos STOT-repeated exp Aspiration hazard: Potential health eff Inhalation: Harmful in gestion: Harmful in Skin: Harmful if abs Eyes: Causes eye i Signs and symptor by any route can can "lead line" on the gu	ation: Data not available je/irritation: Data not available is ensitization: Data not available is ensitization: Data not available icity: Data not available y anticipated to be a human car up 2A: Probably carcinogenic to ent of this product present at lev- ity: Data not available ure: The substance or mixture posure: Data not available Data not available fi inhaled. f swallowed. orbed through skin. Causes skii ritation. ns of exposure: Lead is a cum	cinogen. [Lead nit humans. [Lead n els greater than or is classified as sp n irritation. ulative poison and ss, cyanosis, deco of appetite, insom	itrate] equal to 0.1% is ider ecific target organ to d exposure to even si reased blood pressure	cicant, single exposu nall amounts can rai e and possible respir	re, category 2 se the body's o atory paralysis	with respiratory e content to toxic le Acute poisoning	ffects. [Lead nitrate] vels. Nitrates entering the body g can lead to muscle weakness,			
Section 12	Ecological Information									
Toxicity to fish: LC50 - Oncorhynchus mykiss (rainbow trout) - 1.5 mg/l - 96.0 h [Lead nitrate]         Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna (Water flea) - 0.5 - 2.0 mg/l - 48 h [Lead nitrate]         Toxicity to algae: No data available         Persistence and degradability: 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										
	delines are intended for the									
regulations may be Section 14	e different. Dispose of in acc Transport Information (U			eral regulations or	contract with	a licensed chei	micai disposal agency.			
	•		,							
UN/NA number: Hazard class: N		ping name: N king group: N		Reportable Qua	antity: 10 lb	s (4 54 ka)	Marine pollutant: Yes			
Exceptions: No		ERG Guide #		Tehor table An	<b>and y.</b> 1010	5 (T.OT NY)	marine pondiant. 165			
Section 15	Regulatory Information									
	d to be listed if the CAS number for	the anhydrous form	is on the Inventory list.							
Compone	ent	TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL				
Lead nitrate		Listed	Listed	Not listed	Listed	Not listed				
Section 16	Other Information									
The information contain dent determinations of s	ed herein is furnished without warra suitability and completeness of inform ncy for Research on Cancer, OSHA	nation from all source	es to assure proper use	of these materials and	the safety and h	ealth of employees.	red by them and must make indepen- . NTP: National Toxicology Program, isure, RE: Repeated Exposure,			

Form 06/2015

## SAFETY DATA SHEET

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Section 1 Chemic

Chemical Product and Company Identification

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"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 use only. Not for drug, food or household use.

Product SODIUM RHODIZONATE, DIBASIC Synonyms Rhodizonic Acid, Disodium Salt Section 2 Hazards Identification Signal word: WARNING Precautionary statement(s): Pictograms: None required P264: Wash hands thoroughly after handling Target organs: None known P304+P312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell. GHS Classification: P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Acute tox. (Category 5) Remove contact lenses, if present and easy to do. Continue rinsing. Acute tox. (Category 5) P332+P313: If skin irritation occurs: Get medical advice/attention. Skin irrit. (Category 3) P337+P313: If eye irritation persists: Get medical advice/attention. Eye irrit. (Category 2B) P403+P233: Store in a well-ventilated place. Keep container tightly closed. P501: Dispose of contents/container to a licensed chemical disposal agency in GHS Label information: Hazard statement(s): accordance with all local, state and federal regulations. H303: May be harmful if swallowed. H316: Causes mild skin irritation. H320: Causes eye irritation. H333: May be harmful if inhaled.

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

Section 3	Composition / Information on	Ingredients			
Chemical Name		CAS #	%	EINECS	
Sodium rhodizonate		523-21-7	100%	208-340-3	
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 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: MAY CAUSE SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

### Section 5

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

**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: 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 & 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 Protection						
Exposure Limiter	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)	Г		
Exposure Limits:	Particulates not otherwise classified	None established	TWA: 5 mg/m <sup>3</sup> Respirable fraction	None established	1		

**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 & Chemical Prop	erties					
Appearance: Solid. Odor: No odor. Odor threshold: Da pH: Data not availab Melting / Freezing p Boiling point: Data not Flash point: Data not	ta not available. le. <b>oint:</b> 300°C (572°F) not available	Flammability (solid/gas): Data not available. Explosion limits: Lower / Upper: Data not available Vapor pressure (mm Hg): Data not available Vapor density (Air = 1): Data not available			$\begin{array}{llllllllllllllllllllllllllllllllllll$		
Section 10	Stability & Reactivity						
	Stable : Excessive temperatures. ials: Strong oxidizers.	Hazardoi	us polymerization:	Will not occur.			
Hazardous decomp	osition products: Carbon oxid	es.					
Section 11	Toxicological Information						
Serious eye damag Respiratory or skin Germ cell mutageni Carcinogenity: Dat NTP: No component IARC: No componen OSHA: No componen Reproductive toxici STOT-single expose STOT-repeated expo Aspiration hazard: Potential health effe Inhalation: May be ha Skin: Contact may c Eyes: Contact may c	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 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: 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 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. Reproductive toxicity: Data not available STOT-single exposure: Data not available STOT-repeated exposure: Data not available Aspiration hazard: Data not available Inhalation: May be harmful if inhaled. Ingestion: May be harmful if ingested. Skin: Contact may cause irritation. Eyes: Contact may cause 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						
	ion: RTECS #: No data						
Section 12	Ecological Information						
Toxicity to fish: No data available         Toxicity to daphnia and other aquatic invertebrates: No data available         Toxicity to algae: No data available         Persistence and degradability: 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 (US	DOT / CANAD	A TDG)	· ·			
UN/NA number: Hazard class: Not Exceptions: Not	t applicable Packi applicable 2016	ing name: No ng group: No ERG Guide #	ot applicable	Reportable Qua	ntity: No	Mar	ine pollutant: No
Section 15	Regulatory Information	e anhydrous form i	s on the Inventory list				
Compone		TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	
Sodium rhodizonate		Not listed	Not listed	Not listed	Listed	Not listed	
Section 16	Other Information						
The information contained dent determinations of s	ed herein is furnished without warran uitability and completeness of inform ncy for Research on Cancer, OSHA:	ation from all source	es to assure proper use	of these materials and t	he safety and he	ealth of employees.	