## SAFETY DATA SHEET

# GENERAL STORAGE CODE GREEN

Page E1 of E2

Section 1

Identification

### INNOVATING SCIENCE® by Aldon 221 Roo

"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	CLOVE OIL	
Synonyms	Oil of clove	
Section 2	Hazards identification	
to the Globa Chemicals. Signal word Pictograms Target orga GHS Classifier Not classifier	d information: Hazard statement(s):	Precautionary statement(s): Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Get medical attention if you feel unwell.
	ot otherwise classified: rds not otherwise classified (HHNOC) - Not Known	

Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3	Composition / information on	ingredients			
Chemical Name		CAS #	%	EINECS	
Clove oil		8000-34-8	100%	None assigned.	
Section 4	First aid measures	1	1		

**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: DO NOT USE WATER. Carbon dioxide, dry chemical, dry sand, alcohol foam.

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:** 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. Keep away from ignition sources.

Section 8	Exposure controls / personal prot	ection		
Exposure Limite:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Limits:	Clove oil	None established	None established	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 misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

	approved respirator							
Color: Clove odor. Color: threshold: Lab and available. pdf: Data not available. Ddor'threshold: Lab and available. Ddor'threshold: Lab and available. Ddor'threshold: Lab and available. The short of available. Ddor'threshold: Lab and avai	Section 9	Physical and chemical pro	perties					
Chemical stability: Stabio       Hazardous polymerization: Will not occur.         Conditions to avoid: Excessive temperatures, heat, sperks, open fame and differ sources of (griton.).       Incompatible metails: Strong oxidizes, freci cholines, and polassium permanganate.         Hazardous decomposition products: Oxides of carbon.       Section 11       Toxicological information         Section 11       Toxicological information       Receive oxidiants, and contailable         Service very damagerification: Data not available       Reprintory or 5% in sensitization: Data not available         Gernicegenty: Oxidian ot available       Reprintory or 5% in sensitization: Data not available         Gernicegenty: Oxidian ot available       Reprintory or 5% in sensitization: Data not available         Recreation of this product present al levels greater than or equal to 0.1% is identified as a carcinogen or potential cancinogen by OSPA.         Cap Pop 05: This product foes not contails known to the State of California to cause cancer or reproductive boxity.         STOT-repaids exposure: Data not available         STOT-repaids exposure: Cata not available         STOT-repaids exposure: See Potential health effects:         Instability: Not data available         Prolong or repeade contact may cause inflation and/or demattis.         Strine: Maximum contenders, and an available         Strine: Maximum contenders, and an available         Porting and protend available <t< td=""><td>Odor: Clove odor. Odor threshold: D pH: Data not availa Melting / Freezing Boiling point: 244</td><td>ata not available. ble. <b>point:</b> Data not available -259°C (471-498°F)</td><td>Flammability Explosion lim Vapor pressur Vapor density Relative density</td><td>(solid/gas): Data not its: Lower / Upper: I re (mm Hg): Data not (Air = 1): Data not av ity (Specific gravity):</td><td>available. Data not available available ailable</td><td>Auto-igniti Decompos Viscosity: Molecular</td><td>on temperature sition temperatu Data not availat formula: Data n</td><td>: Data not available re: Data not available. ole. not available</td></t<>	Odor: Clove odor. Odor threshold: D pH: Data not availa Melting / Freezing Boiling point: 244	ata not available. ble. <b>point:</b> Data not available -259°C (471-498°F)	Flammability Explosion lim Vapor pressur Vapor density Relative density	(solid/gas): Data not its: Lower / Upper: I re (mm Hg): Data not (Air = 1): Data not av ity (Specific gravity):	available. Data not available available ailable	Auto-igniti Decompos Viscosity: Molecular	on temperature sition temperatu Data not availat formula: Data n	: Data not available re: Data not available. ole. not available
Conditions to avoid: Excessive temperatures, heat, sparks, open flame and other sources of ignition: Incompatible metafiels: Singo oxiders, freric following, and polassium permanganate. Hazardous decomposition products: Oxides of carbon. Section 1 Toxicological informatio Serious we damaga/infritation: Data not available Serious we damaga/infritation: Data not available Serious we damaga/infritation: Data not available Germ cell mutagenicity: Data not available StrOI-repeated exposure: Data not available STOI-repeated exposure: Data not available Storo: repeated contact may cancer intalion onder dermalitis. Stro: Folong or repeated contact may cancer intalion and/or dermalitis. Stro: Tolong to fishe strouter intalion of the exposure: Stro: Advailable Mainting information Stro: Stro:	Section 10	Stability and reactivity						
Acute toxicity:       Data not available         Shin corrosion/irritation:       Data not available         Respiratory or skin sensitization:       Data not available         Gern cell mutagenitrity:       Data not available         Carcinogenity:       Data not available         Gern cell mutagenitrity:       Data not available         Carcinogenity:       Data not available         Strint:       Not component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.         Car Prop 65:       This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.         STOT-repeated exposure:       Data not available         STOT-repeated exposure:       Data not available         Aspiration hazard:       Data not available         Strin:       Prolong or repeated contact may cause irritation and/or dermatils.         Strin:       Prolong astronentrin: local anesthesia, nausea, vomiling and diarrhea.         Skin:       Prolong astronentrin: local anesthesia, nausea, vomiling and diarrhea.         Skin:       Pr	Conditions to avoid Incompatible mate	d: Excessive temperatures, heat rials: Strong oxidizers, ferric chlo	sparks, open fl pride, and potas	ame and other source				
Acute foxicity: Data not available Skin corresion/irritation: Data not available Respiratory or skin sensitization: Data not available Gern cell mutagenity: Data not available Gern cell mutagenity: Data not available Gern cell mutagenity: Data not available Carcinogenity: Data not available STOT-speedee volume: Data not available STOT-speedee volume: Data not available STOT-speedee volume: Data not available Carcinogenity: Data not available STOT-speedee volume: Data not available Carcinogenity: Data not available STOT-speedee volume: Data not available Carcinogenity: Data not available STOT-speedee volume: Data not available Carcinogenity: Data not available STOT-speedee volume: Data not available STOT-speedee volume: Data not available Carcinogenity: Data not available STOT-speedee volume: Data not available STOT-speedee volume: Data not available Carcinogenity: Data not available STOT-speedee volume: Data not available Carcinogenity: Data not available STOT-speedee volume: Data not available StoT-speedee volume: Data not available Carcinogenity: Data not available StoT-speedee volume: Data volume: Not available Nobility in soilt: No data available PBT and vPVB assessment	Section 11	Toxicological 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         Bioaccumulative potential: No data available         Persistence and degradability: 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 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         Recortable 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.         Clove oil       ISCA       CERLCA (RQ)       RCRA code       DSL       NDSL       CA Prop	Serious eye dama Respiratory or ski Germ cell mutage Carcinogenity: Da NTP: No componer IARC: No compone OSHA: No compone Ca Prop 65: This pu Reproductive toxi STOT-single expo STOT-repeated ex Aspiration hazard Potential health ef Inhalation: Vapor n Ingestion: If ingest Skin: Prolong or re Eyes: May cause r Signs and sympto	ge/irritation: Data not available n sensitization: Data not available nicity: Data not available ata not available nt of this product present at levels out of this product present at levels out of this product present at level roduct does not contain any chemi city: Data not available sure: Data not available posure: Data not available : Data not available ffects: nay be irritating to skin, eyes and n ed, results in gastroenteritis, local peated contact may cause irritatio edness, pain and irritation to the e ms of exposure: See Potential h	greater than or greater than or s greater than c cals known to th nucous membra anesthesia, nau n and/or derma yes.	equal to 0.1% is ident or equal to 0.1% is iden he State of California to anes. usea, vomiting and diar titis.	ified as probable, po tified as a carcinoge o cause cancer or re	essible or confinential of	rmed human care carcinogen by OS	0,
Section 14       Transport information         UN/NA number:       Not applicable       Shipping name:       Not Regulated         Hazard class:       Not applicable       Packing group:       Not Regulated         Backing group:       Not applicable       Packing group:       Not applicable         Section 15       Regulatory information       2020 ERG Guide #       Not applicable         A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.       RCRA code       DSL       NDSL       CA Prop 65         Clove oil       Listed       Not listed       Not listed       Listed       Not listed       This productive toxicity.	Toxicity to fish: N Toxicity to daphni: Toxicity to algae: I Persistence and d Mobility in soil: N	o data available a and other aquatic invertebrate No data available egradability: No data available o data available	Bioaccum PBT and v	ulative potential: No PvB assessment: No	o data available	r disposal.		
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 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 Clove oil Listed Not 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 13	Disposal considerations						
Hazard class: Not applicable       Packing group: Not applicable       Reportable Quantity: No       Marine 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         Clove oil       Listed       Not listed       Not listed       Listed       Not listed       This product does not contain any chemicals known to the Step of California to cause cancer or reproductive toxicity.	regulations may b	e different. Dispose of in acco	isposal of cata rdance with al	alog-size quantities o Il local, state and fed	nly. Federal regul eral regulations or	ations may a contract with	pply to empty o a licensed che	container. State and/or local emical disposal agency.
Component       TSCA       CERLCA (RQ)       RCRA code       DSL       NDSL       CA Prop 65         Clove oil       Listed       Not listed       Not listed       Not listed       Listed       Not listed       California to cause cancer or reproductive toxicity.	Hazard class: N	ot applicable Packi	ng group: N	ot applicable	Reportable Qua	ntity: No	Ма	rine pollutant: No
ComponentTSCACERLCA (RQ)RCRA codeDSLNDSLCA Prop 65Clove oilListedNot listedNot listedNot listedListedNot listedThis product does not contain any chemicals known to the Sta of California to cause cancer or reproductive toxicity.	Section 15	Regulatory information						
Clove oil Listed Not listed Not listed Listed Listed Not listed This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.			-					
any chemicals known to the State of California to cause cancer or reproductive toxicity.		nent	TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	•
Section 16 Other information	Clove oil		Listed	Not listed	Not listed	Listed	Not listed	any chemicals known to the Stat of California to cause cancer or
	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

## **GENERAL STORAGE CODE GREEN**

Page E1 of E2

Section 1

Identification

### INNOVATING SCIENCE® by Aldon 221 Roof Avon, NY

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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	DEIONIZED WATER	
Synonyms	Hydrogen Oxide / Distilled Water	
Section 2	Hazards identification	
This substa Harmonized Signal word Pictograms Target orga GHS Classi Not a hazard GHS Label Hazard stat	ance has not been classified at this time according to the Globally d System (GHS) of Classification and Labeling of Chemicals. d: Not a hazardous substance S: Not a hazardous substance Ins: None known	Supplemental information: Avoid contact with DANGEROUS WHEN WET and WATER-REACTIVE materials. For laboratory use only. Do not ingest.

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	
Deionized water		7732-18-5	100%	231-791-2	
Section 4	First aid measures				

Section 4 First aid measure

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 <b>point:</b> 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 <b>icity:</b> Data not available <b>sure:</b> Data not available <b>sposure:</b> Data not available <b>ffects:</b> 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 <b>rations</b> 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

## SAFETY DATA SHEET

# GENERAL STORAGE CODE GREEN

Page E1 of E2

Section 1

Identification

#### INNOVATING SCIENCE<sup>®</sup> by Aldon 221 ros 4 ros N

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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.

Synonyms       Glycerol         Section 2       Hazards identification         This substance or mixture has not been classified as hazardous according to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals.       Supplemental information: Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wea protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Get medical attention if you feel unwell.         Signal word:       None required         Pictograms:       Nos windown         GHS Classification:       None required         GHS Label information:       Hazard statement:         None required       Precautionary statement:         Precautionary       None required	Product	GLYCERIN	
This substance or mixture has not been classified as hazardous according to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals.       Supplemental information:       Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Weat protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Get medical attention if you feel unwell.         Signal word:       None required         Pictograms:       No symbol required         Target organs:       None required         GHS Classification:       None required         GHS Label information:       Hazard statement:         None required       None required	Synonyms	Glycerol	
to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals. Signal word: None required Pictograms: No symbol required Target organs: None known GHS Classification: None required GHS Label information: Hazard statement: None required	Section 2	Hazards identification	
	This substa to the Glob Chemicals. Signal word Pictograms Target orga GHS Classi GHS Label	Ince or mixture has not been classified as hazardous according ally Harmonized System (GHS) of Classification and Labeling of I: None required : No symbol required ns: None known fication: None required information: Hazard statement: None required	Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands

### 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	
Glycerin		56-81-5	100%	200-289-5	
Section 4	First aid measures				
Section 4	Filst alu illeasules				

**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: DO NOT USE WATER. Carbon dioxide, dry chemical, dry sand, alcohol foam.

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:** 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. Keep away from ignition sources.

Section 8	Exposure controls / personal pro	tection		
Exposure Limite:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Limits:	Glycerin	TWA: 10 mg/m <sup>3</sup> (mist)	TWA: 5 mg/m <sup>3</sup> (respirable fraction)	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 misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

approved respirator.							
Section 9	Physical and chemical p	operties					
Appearance: Clear, Odor: No odor. Odor threshold: Dat pH: Approximately 7. Melting / Freezing p Boiling point: 290°C Flash point: 177°C (	colorless liquid. a not available. 0 pint: 18°C (64°F) : (554°F)	Evaporation ra Flammability (s Explosion limit Vapor pressure Vapor density (	te (Ether = 1): >1 solid/gas): Data not s: Lower / Upper: I e (mm Hg): 0.01 mba Air = 1): Data not av y (Specific gravity): Complete	Data not available nr @ 20°C railable	Auto-ignitie Decompos Viscosity: Molecular f	ition temperatu Data not availat	: 400°C (752°F) i <b>re:</b> Data not available.
Section 10	Stability and reactivity						
Incompatible materi	Stable : Excessive temperatures and als: Strong oxidizers. osition products: Poisonous	heat. Absorbs mo	us polymerization: isture from the air.	Will not occur.			
Section 11	Toxicological information	1					
Skin corrosion/irrita Serious eye damage Respiratory or skin Germ cell mutageni Carcinogenity: Data NTP: No component IARC: No component OSHA: No component Ca Prop 65: This prov Reproductive toxici STOT-single exposu STOT-repeated expo Aspiration hazard: Potential health effe Inhalation: Inhalation Ingestion: Ingestion Skin: Skin contact sh Eyes: May cause slig	of this product present at level of this product present at level to f this product present at level to f this product present at level duct does not contain any cher ty: Data not available <b>psure:</b> Data not available Data not available <b>cts:</b> of mist are irritating to the res s considered to be a very low nows no significant irritation. N	y non-irritating able s greater than or e ls greater than or els greater than or nicals known to th piratory tract. hazard. ot absorbed through	equal to 0.1% is iden equal to 0.1% is iden e State of California t gh the skin.	ified as probable, po ntified as a carcinoge	ossible or confir en or potential c	med human car carcinogen by O	0
Additional informati	on: RTECS #: MA8050000						
Section 12	Ecological information						
Toxicity to daphnia a Toxicity to algae: No Persistence and deg Mobility in soil: No Other adverse effect	<b>radability:</b> No data available data available ts: An environmental hazard c	tes: EC50 (24 hou Bioaccumu PBT and vi	r) Daphnia magna >1 Ilative potential: No PvB assessment: N	data available o data available	or disposal.		
Section 13	Disposal considerations						
	delines are intended for the different. Dispose of in acc						container. State and/or local emical disposal agency.
Section 14	Transport information			<u> </u>			
UN/NA number: I Hazard class: Not Exceptions: Not Section 15	Not applicableShipapplicablePack	ping name: No king group: No ERG Guide #	ot applicable	Reportable Qua	antity: No	Ma	arine pollutant: No
	to be listed if the CAS number for	the anhydrous form	is on the Inventory list.				
Compone		TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	CA Prop 65
Glycerin		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		mation from all source	ces to assure proper use	of these materials and	the safety and h	ealth of employee	ered by them and must make indepe s. NTP: National Toxicology Program

The information contained nerven is turnished 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.