# **GENERAL STORAGE CODE GREEN**

Page E1 of E2

Section 1

Identification

#### INNOVATING SCIENCE® by Aldon 221 Roc Avon, N

"Cutting edge science for the classroom"

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

Not for drug, food or household use.

Product	SODIUM BICARBONATE, ANHYDROUS	
Synonyms	Baking Soda / Sodium Hydrogen Carbonate / Carbonic Acid Sodium (1:1)	
Section 2	Hazards identification	
This substa to the Glob Chemicals. Signal worr Pictograms Target orga GHS Class	ance or mixture has not been classified as hazardous according ally Harmonized System (GHS) of Classification and Labeling of	Precautionary statement(s): Do not breathe dust. 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.

#### Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known

Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3 Compose	Composition / information on ingredients				
Chemical Name		CAS #	%	EINECS	
Sodium bicarbonate		144-55-8	100%	205-633-8	
Section 4 First aid	l 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. This material is commonly used to extinguish fires.

### 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. Store away from acids.

Section 8	Exposure controls / personal protection					
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)		
Exposure Linits.	Sodium bicarbonate	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 dusty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9	Physical and chemical pr	operties	
Odor: No odor. Odor threshold: Data pH: 8.2 (1% solution)	int: Data not available	Evaporation rate (=1): Data not available Flammability (solid/gas): Data not available. Explosion limits: Lower / Upper: Data not available Vapor pressure (mm Hg): Negligible Vapor density (Air = 1): Data not available Relative density (Specific gravity): 2.16 @ 20°C Solubility(ies): 8.6 g/100 ml water at 20°C	Partition coefficient: Data not available Auto-ignition temperature: Data not available Decomposition temperature: Data not available Viscosity: Data not available. Molecular formula: NaHCO <sub>3</sub> Molecular weight: 84.01
Section 10	Stability and reactivity		
Observised stability (	Dt-hl-	Hennedaus a charactication. M/ill a starson	

Chemical stability: Stable

ERG: Emergency Response Guidebook.

Form 06/2015

Hazardous polymerization: Will not occur.

Conditions to avoid: High temperature causes decomposition to sodium carbonate, water and carbon dioxide.

Incompatible materials: Reacts with acids to yield acid salts, water and carbon dioxide.

Hazardous decomposition products: Gaseous carbon dioxide.

# Section 11 Toxicological information

Section II	Toxicological into	mation						
•	-rat LD50: 4220-4400	0 0						
	tion: Skin-rabbit - not	0	_					
	e/irritation: Eye-rabbi		ig					
	sensitization: Non se city: Data not availab	0						
Carcinogenity: Data	•							
	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.							
	t of this product preser							cinogen by IARC.
	nt of this product prese							
Ca Prop 65: This pro	duct does not contain a	any chemical	s known to th	e State of California t	o cause cancer or re	eproductive toxic	city.	
Reproductive toxici	ty: Data not available							
0 1	<b>ire:</b> Data not available							
	osure: Data not availa	ıble						
Aspiration hazard:								
Potential health effe		·						
	e dust may irritate resp		noo if ingooto	d				
Skin: No hazard kno	may cause gastrointes	แกล นเรเนเมล	nce il ingeste	u.				
	eyes may cause very sl	ight irritation						
	is of exposure: See I			ove.				
	ion: RTECS #: VZ09							
Section 12	Ecological information	ation						
Toxicity to daphnia Toxicity to algae: Ni Persistence and deg Mobility in soil: No	mbusia affinis (fish, fre: and other aquatic inv tcheria linearis (Algae) gradability: No data a data available ts: An environmental l	ertebrates: LC50: 650 n vailable	Daphnia mag ng/l/5 day Bioaccumu PBT and vi	na (Crustacea) EC50 ulative potential: No PvB assessment: N	o data available o data available			
Section 13	Disposal consider	ations						
	delines are intended	for the disp						container. State and/or local emical disposal agency.
Section 14	Transport information	ation						
UN/NA number:	Not applicable	Shippin	<b>name</b> : N	lot Regulated				
Hazard class: No	t applicable			ot applicable	Reportable Qu	antity: No	Ма	arine pollutant: No
Exceptions: Not	••	•	• •	Not applicable				•
Section 15	Regulatory inform	ation						
	to be listed if the CAS nu		nhvdrous form	is on the Inventory list.				
Compone			TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	CA Prop 65
Sodium bicarbonate			Listed	Not listed	Not listed	Listed	Not listed	This product does not contain
			Listou	Not listed	Nothisted	Listed	Nothisted	any chemicals known to the State of California to cause cancer or reproductive toxicity.
Section 16	Other information							•
dent determinations of s	uitability and completenes ncy for Research on Cano	ss of information	on from all sour	ces to assure proper use	e of these materials and	d the safety and h	ealth of employee	ered by them and must make indepen- s. NTP: National Toxicology Program, osure, RE: Repeated Exposure,

# **GENERAL STORAGE CODE GREEN**

Page E1 of E2

Section 1

Product

Identification

CITRIC ACID, ANHYDROUS

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

Not for drug, food or household use.

Synonyms 2-Hydroxy-1,2,3-Propane Tricarboxylic Acid	
Section 2 Hazards identification	
Signal word: WARNING Pictograms: GHS07 Target organs: None known GHS Classification: Eye irritation (Category 2A)	Precautionary statement(s): P264: Wash hands thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical advice/attention.
GHS Label information: Hazard statement(s): H319: Causes serious eye irritation.	

#### Hazards not otherwise classified:

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

Section 3	Composition / information on ingredients					
Chemical Name		CAS #	%	EINECS		
Citric acid, anhydrous		77-92-9	100%	201-069-1		
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: CAUSES IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

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

#### Section 5 Fire fighting measures

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

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

Specific Hazards: 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: Recover for use if not contaminated. 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 protection					
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)		
Exposure Limits.	Citric acid	Not listed	Not listed	Not listed		

**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.

approved respirato								
Section 9								
Ddor: No odor. Ddor threshold: 1 DH: 2.2 in 0.1N aq	Data not available queous solution g point: 153°C (307°F) ta not available	Flammability ( Explosion limi Vapor pressur Vapor density Relative densit	Evaporation rate ( = 1): Not applicable       Partition coefficient: Data not available         Flammability (solid/gas): Not applicable       Auto-ignition temperatu         Explosion limits: Lower / Upper: Not applicable       Decomposition temperatu         Vapor pressure (mm Hg): Data not available       Viscosity: Not applicable         Relative density (Specific gravity): 1.665 g/cm <sup>3</sup> Molecular weight: 192.1				: 1010°C (1850°F) re: >170°C (338°F)	
Section 10	Stability and reactivity	/						
Chemical stability	-		ous polymerization: \	Will not occur.				
	oid: Excessive temperature a		ormation.					
-	terials: Strong bases and oxi	-						
	nposition products: Carbor	Oxides.						
Section 11	Toxicological informa	tion						
-	Dral-rat LD50: 12,000 mg/kg							
	<b>ritation:</b> Data not available <b>age/irritation:</b> Rabbit-highly	irritating						
-	kin sensitization: Data not a	-						
	enicity: Data not available							
Carcinogenity: D								
	ent of this product present at le nent of this product present at						inogen by IARC	
	nent of this product present at	0		1 /1			0,	
Ca Prop 65: This p	product does not contain any	-		-				
Character and the state of the								
•	<b>cicity:</b> Data not available							
STOT-single expo	osure: Data not available							
STOT-single expo STOT-repeated ex	•							
STOT-single expo STOT-repeated ex Aspiration hazaro Potential health e	osure: Data not available xposure: Data not available d: Data not available effects:				<i></i>			
STOT-single expo STOT-repeated ex Aspiration hazard Potential health e Inhalation: Inhalat	osure: Data not available xposure: Data not available d: Data not available effects: tion may cause irritation to mu		• •	hing and shortness	of breath.			
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STOT-single expo STOT-repeated ex Aspiration hazard Potential health e Inhalation: Inhalat Ingestion: Ingestion: Ingestion Skin: Contact may Eyes: Contact witt Signs and sympt	osure: Data not available xposure: Data not available d: Data not available effects: tion may cause irritation to mu on may cause acute gastroint y cause irritation. th eyes may cause irritation w coms of exposure: Long term	estinal irritation with al th redness, pain, poss n over-exposure may o	bdominal pain. sible eye burns, conjur	nctivitis, ulceration a		cloudiness.		
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STOT-single expo STOT-repeated ex Aspiration hazard Potential health en Inhalation: Inhalation Ingestion: Ingestion Skin: Contact may Eyes: Contact with Signs and sympt Additional inform Section 12 Toxicity to fish: L Toxicity to daphn	osure: Data not available xposure: Data not available d: Data not available effects: tion may cause irritation to mu on may cause acute gastroint y cause irritation. th eyes may cause irritation w coms of exposure: Long term nation: RTECS #: GE73500 Ecological informatio Lepomis macrochirus (Fish, F ia and other aquatic inverter	estinal irritation with al th redness, pain, poss n over-exposure may o 20 <b>n</b> resh water) LC50: 1,5 <b>brates:</b> Daphnia mag	bdominal pain. sible eye burns, conjur cause damage to tooth 16 mg/l/96 hours na (Crustacea) EC50:	nctivitis, ulceration a n enamel.	nd permanent (	cloudiness.		
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STOT-single expo STOT-repeated ex Aspiration hazard Potential health e Inhalation: Inhalat Ingestion: Ingestic Skin: Contact may Eyes: Contact may Eyes: Contact may Eyes: Contact with Signs and sympt Additional inform Section 12 Foxicity to fish: L Foxicity to fish: L Foxicity to fish: L Foxicity to daphn Foxicity to algae: Persistence and C Mobility in soil: N Other adverse eff Section 13 These disposal g regulations may Section 14 UN/NA number Hazard class: Exceptions: N	osure: Data not available xposure: Data not available d: Data not available effects: tion may cause irritation to mu on may cause acute gastroint y cause irritation. th eyes may cause irritation w torms of exposure: Long term nation: RTECS #: GE73500 Ecological informatio Lepomis macrochirus (Fish, F ia and other aquatic inverte Scenedesmus quadricauda ( degradability: No data availa No data available fects: An environmental haza Disposal consideratio guidelines are intended for be different. Dispose of in Transport informatio Tion tapplicable Not applicable	estinal irritation with al th redness, pain, poss n over-exposure may o 20 n resh water) LC50: 1,5 brates: Daphnia mag Algae) EC3: 640 mg/l/ able Bioaccumu PBT and vi rd cannot be excluded ons the disposal of cata accordance with all n Shipping name: N	bodominal pain. sible eye burns, conjur cause damage to tooth 16 mg/l/96 hours na (Crustacea) EC50: 7 days Jative potential: No PVB assessment: No d in the event of unpro log-size quantities o local, state and fede lot Regulated ot applicable	ca. 120 mg/l/72 hou data available data available fessional handling c nly. Federal regu eral regulations or	nd permanent o Irs r disposal. ations may a contract with	pply to empty c a licensed che	mical disposal agency.	
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STOT-single expo STOT-repeated ex Aspiration hazard Potential health e Inhalation: Inhalat Ingestion: Ingestic Skin: Contact may Eyes: Contact may Exection 12 Toxicity to fish: L Toxicity to fish: L Toxicity to fish: L Toxicity to daphen For adverse eff Section 13 These disposal g regulations may Section 14 UN/NA number Hazard class: Exceptions: N Section 15 A chemical is consider	osure: Data not available xposure: Data not available d: Data not available effects: tion may cause irritation to mu on may cause acute gastroint y cause irritation. th eyes may cause irritation we toms of exposure: Long term nation: RTECS #: GE73500 Ecological informatio Lepomis macrochirus (Fish, F nia and other aquatic inverter Scenedesmus quadricauda ( degradability: No data available fects: An environmental haza Disposal consideratio guidelines are intended for be different. Dispose of in Transport informatio T: Not applicable Not applicable Not applicable Regulatory informatic ared to be listed if the CAS number ponent	estinal irritation with al th redness, pain, poss n over-exposure may o 20 n resh water) LC50: 1,5 brates: Daphnia mag Algae) EC3: 640 mg/l/ able Bioaccumu PBT and vl rd cannot be excluded ons the disposal of cata accordance with all n Shipping name: N Packing group: N 2020 ERG Guide # on	bodominal pain. sible eye burns, conjur cause damage to tooth 16 mg/l/96 hours na (Crustacea) EC50: 7 days Jative potential: No PvB assessment: No d in the event of unpro log-size quantities o local, state and fede Not Regulated ot applicable Not applicable is on the Inventory list.	ca. 120 mg/l/72 hou data available o data available fessional handling c nly. Federal regu eral regulations or <b>Reportable</b>	nd permanent o Irs r disposal. ations may a contract with <b>Quantity:</b> N	pply to empty c a licensed che lo <b>M</b> a	mical disposal agency. arine pollutant: No	

dent 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.

# **GENERAL STORAGE CODE GREEN**

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Section 1

Identification

#### by Aldon INNOVATING SCIENCE "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 CALCIUM PHOSPHATE, MONOBAS	C, MONOHYDRATE
Synonyms Monocalcium Phosphate Monohydrate	
Section 2 Hazards identification	
This substance or mixture has not been classifie to the Globally Harmonized System (GHS) of Cla Chemicals. Signal word: None required Pictograms: No symbol required Target organs: None known GHS Classification: None required GHS Label information: Hazard statement: None Precautionary statement: None required	<b>Expression and Labeling of</b> Do not breather dust. 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.

Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3 Co	Composition / information on ingredients				
Chemical Name		CAS #	%	EINECS	
Calcium phosphate, mono	basic, monohydrate	10031-30-8	100%	231-837-1 (anhydrous)	
Section 4 First	st 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. MAY CAUSE RESPIRATORY TRACT IRRITATION. 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 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: 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: Recover for reuse if not contaminated. 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 protection					
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)		
Exposure Linits.	Calcium phosphate	Not established	Not established	Not 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.

approved respirator.							
Section 9	Physical and chemi	cal properties					
Odor: No odor Odor threshold: Da pH: 4.6 (1% solution	n) point: 200°C (392°F) not available	Flammability ( Explosion limi Vapor pressur Vapor density Relative densi	ate (=1): Data not a solid/gas): Data not ts: Lower / Upper: 1 e (mm Hg): Data not (Air = 1): Data not ty (Specific gravity): : 18 g/L water @ 30°C	available Data not available available vailable 1.2 g/ml	Auto-ignitio Decomposi Viscosity: Molecular f		: Data not available <b>re</b> : Data not available ole
Section 10	Stability and reactiv	ity					
Chemical stability: Conditions to avoid		Hazardo	ous polymerization:	Will not occur.			
Incompatible mater	ials: None known.						
Hazardous decomp	osition products: None	e known.					
Section 11	Toxicological inform	nation					
Respiratory or skin Germ cell mutagen Carcinogenity: Dat NTP: No component IARC: No component OSHA: No compone Ca Prop 65: This pro Reproductive toxic STOT-single expos STOT-repeated exp Aspiration hazard: Potential health eff Inhalation: May cau Ingestion: May be h Skin: Contact may of Signs and symptor	to f this product present a tit of this product present a oduct does not contain an <b>ity</b> : Data not available <b>ure</b> : Data not available <b>Data</b> not available <b>Data</b> not available <b>ects</b> : se irritation of the throat a armful if swallowed. Irrita ause irritation and/or defa eyes may cause irritation. <b>ns of exposure</b> : Exercis	a vailable t levels greater than or of at levels greater than or at levels greater than o y chemicals known to th le and upper respiratory tra- ation to the gastrointestin atting on prolonged con- be appropriate procedure	equal to 0.1% is identi equal to 0.1% is iden r equal to 0.1% is iden ne State of California t ect. nal tact may occur. tact.	tified as probable, po ntified as a carcinoge o cause cancer or re	ossible or confir en or potential c	med human care arcinogen by O	0,
	tion: RTECS #: TB8530						
Toxicity to algae: N Persistence and de Mobility in soil: No	and other aquatic inver o data available gradability: No data ava	tebrates: No data avail ailable Bioaccum PBT and v	ulative potential: No PvB assessment: N	o data available	or disposal.		
Section 13	Disposal considera	tions					
These disposal gu regulations may be	e different. Dispose of	in accordance with al	log-size quantities of local, state and fee	only. Federal regu leral regulations or	lations may ap contract with	oply to empty o a licensed che	container. State and/or local emical disposal agency.
Section 14	Transport informat						
UN/NA number: Hazard class: No Exceptions: Not	ot applicable	Shipping name: N Packing group: N 2020 ERG Guide #	ot applicable	Reportable Qu	antity: No	Ma	arine pollutant: No
Section 15	Regulatory information						
	d to be listed if the CAS num				DC:		
Compone Calcium phosphate		Listed	CERLCA (RQ) Not listed	RCRA code Not listed	DSL Listed	NDSL Not listed	CA Prop 65 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	suitability and completeness ency for Research on Cancer	of information from all sour	ces to assure proper use	e of these materials and	the safety and h	ealth of employee	ered by them and must make indepe s. NTP: National Toxicology Progran osure, RE: Repeated Exposure,

#### ERG: Emergency Response Guidebook. Form 06/2015

# GENERAL STORAGE CODE GREEN

Page E1 of E2

Section 1

Identification

#### INNOVATING SCIENCE® by Aldon 221 Roc Avon, N

"Cutting edge science for the classroom"

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

DISHWASHING DETERGENT - HAND	
nonyms 5% Detergent Solution	
ction 2 Hazards identification	
<ul> <li>Substance or mixture has not been classified as hazardous according the Globally Harmonized System (GHS) of Classification and Labeling of emicals.</li> <li>Inal word: None required tograms: No symbol required get organs: None known</li> <li>S Classification: None required</li> <li>S Label information: Hazard statement: None required ecautionary statement: None required</li> </ul>	Supplemental information: 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.

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

Section 3 Composition / informatio	n on ingredients			
Chemical Name	CAS #	%	EINECS	
Water Liquid dishwashing detergent*	7732-18-5 Not available	95% 5%	231-791-2 Not available	
*(Contains: Water, sufactants, and other inert ingred	ients)			
Section 4 First aid measures				

Section 4 First aid measures

**INGESTION:** MAY BE HARMFUL BY 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: CAUSES IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

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

#### Section 5 Fire fighting measures

Suitable Extinguishing Media: Use extinguishing agent suitable for type of surrounding 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: There are no unusual fire and explosion hazards associated with the solution.

#### 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. Spill area may be slippery. Flush with plenty of water.

#### Section 7 Handling and storage

ERG: Emergency Response Guidebook.

Form 06/2015

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.

Section 8	Exposure controls / personal prot	ection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Linits.	Not listed	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.

Section 9	Physical and chem	nical properties						
pH: Data not avai Melting / Freezing po	s odor. Data not available. ilable. int: Approximately 0°C (32°F) (v proximately 100°C (212°F) (v	water) Relative density Relative density	ate (Water = 1): <1 (solid/gas): Data not av its: Lower / Upper: Da re (mm Hg): 14 (water) (Air = 1): 0.7 (water) (Specific gravity): Appro : Complete in water.	ata not available	Auto-ignition Decomposition Viscosity: Da	on temperatur ata not availabl mula: Mixture	Data not available re: Data not availa e.	
Section 10	Stability and react	ivity						
Chemical stability	-	Hazar	dous polymerization: \	Will not occur.				
	terials: None known.							
	mposition products: Nor	ne known.						
Section 11	Toxicological infor	mation						
Carcinogenity: C NTP: No compone IARC: No compon OSHA: No compo Ca Prop 65: This p Reproductive tox	ent of this product present nent of this product present nent of this product preser product does not contain a <b>(icity:</b> Data not available	at levels greater than or at levels greater than o at at levels greater than	r equal to 0.1% is identi or equal to 0.1% is ident	fied as probable, pos tified as a carcinoge	ssible or confirme n or potential car	ed human carc cinogen by OS	0,	
STOT-repeated ex Aspiration hazard Potential health e Inhalation: No adv Ingestion: May be Skin: May cause i Eyes: Causes irrit Signs and sympt	osure: Data not available xposure: Data not available effects: verse effects expected. a harmful if swallowed in la irritaiton on prolonged or re- tation on direct contact, bu coms of exposure: To the ercise appropriate procedu	ble rge amounts. epeated contact. t no permanent injury is best of our knowledge	the chemical, physical a	nd toxicological proj	perties have not l	been thoroughl	y investigated. Sp	ecific data
STOT-repeated ex Aspiration hazard Potential health e Inhalation: No adv Ingestion: May be Skin: May cause i Eyes: Causes irrit Signs and sympt not available. Exe	xposure: Data not available d: Data not available effects: verse effects expected. e harmful if swallowed in la irritaiton on prolonged or re- tation on direct contact, bu coms of exposure: To the	ble rge amounts. epeated contact. t no permanent injury is best of our knowledge res to minimize potentia ot available	the chemical, physical a	nd toxicological pro	perties have not h	been thoroughl	y investigated. Sp	ecific data
STOT-repeated e: Aspiration hazard Potential health e Inhalation: No adv Ingestion: May be Skin: May cause i Eyes: Causes irrit Signs and sympt not available. Exe Additional inform Section 12 Toxicity to fish: I Toxicity to daphn Toxicity to algae: Persistence and Mobility in soil: 1	xposure: Data not availal d: Data not available effects: verse effects expected. e harmful if swallowed in la irritaiton on prolonged or re- tation on direct contact, bu <b>coms of exposure</b> : To the ercise appropriate procedu <b>nation: RTECS #</b> : Data n <b>Ecological informa</b> No data available <b>nia and other aquatic invo</b> : No data available <b>degradability:</b> No data available	ble rge amounts. epeated contact. t no permanent injury is best of our knowledge res to minimize potentia ot available tition ertebrates: No data ava vailable Bioaccur PBT and	the chemical, physical a I hazards. ailable nulative potential: No vPvB assessment: No	data available o data available		been thoroughl	y investigated. Sp	ecific data
STOT-repeated ex Aspiration hazard Potential health e Inhalation: No adv Ingestion: May be Skin: May cause i Eyes: Causes irrit Signs and sympt not available. Exe Additional inform Section 12 Toxicity to fish: I Toxicity to dapher Toxicity to algae: Persistence and Mobility in soil: I Other adverse eff	xposure: Data not available d: Data not available effects: verse effects expected. e harmful if swallowed in la irritaiton on prolonged or re- tation on direct contact, bu coms of exposure: To the ercise appropriate procedunation: RTECS #: Data n Ecological informa No data available degradability: No data available degradability: No data available fects: An environmental h	ble rge amounts. epeated contact. t no permanent injury is best of our knowledge res to minimize potentia ot available tition ertebrates: No data ava vailable Bioaccur PBT and vazard cannot be exclud	the chemical, physical a I hazards. ailable nulative potential: No vPvB assessment: No	data available o data available		been thoroughl	y investigated. Sp	ecific data
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