SAFETY DATA SHEET

GENERAL STORAGE CODE GREEN

Section 1	Identification	Page E1 of E
	BIOSCIENCES WION BIOSCIENCES UNON BIOSCIENCES VION BIOSCIENCES 221 Rochester Street Avon. New York 14414 Avon. New York 14414 Vion BioSciences 221 Rochester Street Avon. New York 14414 Vion BioSciences 201 Rochester Street 201 Rochest	CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory and industrial use only. Not for drug, food or household use.
Product	SUCROSE	
Synonyms	Cane Sugar / Beet Sugar	
Section 2	Hazards identification	
to the Glob Chemicals Signal wor Pictograms Target orga GHS Class GHS Label	ance or mixture has not been classified as hazardous according bally Harmonized System (GHS) of Classification and Labeling of	Supplemental information: 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) - Combustible dust Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3	Composition / information on ingredients						
Chemical Name		CAS #	%	EINECS			
Sucrose		57-50-1	100%	200-334-9			
Section 4	First aid measures						

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

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

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

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

Section 5 Fire fighting measures

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

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

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Dust dispersed in air is capable of creating a dust explosion when exposed to an ignition source. Avoid dispersion of dust in air.

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.

Section 8	Exposure controls / personal protection						
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)			
Exposure Linits.	Sucrose	TWA: 10 mg/m ³ (A4)	TWA: 15 mg/m ³	TWA: 10 mg/m ³			

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

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

Section 9	Physical and chemical pr	-			D. CH		
Appearance: Solid. Odor: No odor. Odor threshold: Da DH: Data not availal Melting / Freezing p Boiling point: Deco Flash point: Not ap	ata not available. ble. point: 185°C (365°F) pomposes	Flammability (Explosion limi Vapor pressur Vapor density Relative density	ate (= 1): Not applie solid/gas): Data not ts: Lower / Upper: e (mm Hg): Negligib (Air = 1): Data not a (Specific gravity): 1.58 : Soluble in water	available. Not applicable e	Auto-ignitie Decompos Viscosity: Molecular f	on temperature	
Section 10	Stability and reactivity						
Incompatible mate	Stable d: Excessive temperatures. rials: Strong oxidizers. position products: Oxides of ca		ous polymerization:	Will not occur.			
Section 11	Toxicological information	I					
Germ cell mutager Carcinogenity: Da NTP: No componen IARC: No componen OSHA: No componen OSHA: No componen Ca Prop 65: This pri Reproductive toxic STOT-single expos STOT-repeated exp Aspiration hazard: Potential health eff Inhalation: Inhalatic Ingestion: Not expected Eyes: Contact with Signs and sympton	t of this product present at levels nt of this product present at level ent of this product present at level oduct does not contain any chen city: Data not available sure: The substance or mixture bosure: Data not available Data not available fects: on may cause respiratory irritation cited to be a health hazard. to be a health hazard. eyes may cause transient irritation ms of exposure: See Potential	s greater than or e ls greater than or els greater than o nicals known to th is classified as sp n.	equal to 0.1% is iden r equal to 0.1% is ide le State of California f pecific target organ to	tified as probable, po ntified as a carcinoge o cause cancer or re	ossible or confir en or potential c eproductive toxi	med human card carcinogen by OS city.	SHA.
	tion: RTECS #: WN6500000						
Section 12 Toxicity to fish: No	Ecological information						
Toxicity to algae: N Persistence and de Mobility in soil: No Other adverse effe Section 13 These disposal gu	egradability: No data available	Bioaccum PBT and v annot be excluded disposal of cata	ulative potential: No PvB assessment: N d in the event of unpro log-size quantities (o data available ofessional handling c only. Federal regu	lations may a		
UN/NA number: Hazard class: N Exceptions: No	Not applicable Ship lot applicable Pack	ping name: N king group: N ERG Guide #		Reportable Qu	antity: No	Ma	arine pollutant: No
Section 15	Regulatory information						
	ed to be listed if the CAS number for	the anhydrous form		RCRA code	DSL	NDSL	CA Bron 65
Compon Sucrose	ont	Listed	CERLCA (RQ) Not listed	Not listed	Listed	Not listed	CA Prop 65 This product does not contain any chemicals known to the Sta of California to cause cancer or reproductive toxicity.
Section 16	Other information						
dent determinations of	ned herein is furnished without warra suitability and completeness of inforr ency for Research on Cancer, OSHA ponse Guidebook.	mation from all sour	ces to assure proper us	e of these materials and	d the safety and h arget Organ Toxic	ealth of employees ity, SE: Single Exp	s. NTP: National Toxicology Prog