

WARD'S

Natural Science Establishment,
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MATERIAL SAFETY DATA SHEET

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St. Catharines, Ontario L2S 3T5
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San Luis Obispo, CA 93403-5010

MSDS No. SS 1020
Effective Date September 13, 1996

SECTION I	NAME	24 HOUR EMERGENCY ASSISTANCE
Product	SUCROSE	
Chemical Synonyms	Cane Sugar Beet Sugar	
Formula	C ₁₂ H ₂₂ O ₁₁	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	57-50-1	



CHMTREC
800-424-9300
Day 716-326-6177

NFPA
HAZARD RATING

LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

Reactivity 1

SECTION II	INGREDIENTS OF MIXTURES
Principal Component(s)	
Sucrose	% TLV Units
	100% See Section V.

SECTION III	PHYSICAL DATA
Melting Point (°F)	185°C (365°F) dec.
Boiling Point (°F)	Decomposes.
Vapor Pressure (mm Hg)	Negligible as solid.
Vapor Density (Air=1)	Data not listed.
Solubility in Water	200 grams dissolve in 100 mL of water at 20°C.
Appearance & Odor	Colorless or white granules or crystals; no odor.

SECTION IV	FIRE AND EXPLOSION HAZARD DATA
Flash Point (Method Used)	Non-flammable.
Extinguisher Media	Water spray; dry chemical (ABC); carbon dioxide (CO ₂).

SPECIAL FIREFIGHTING PROCEDURES
In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

D.O.T.	NON-REGULATED.
Approved by U.S. Department of Labor	*essentially similar* to form OSHA-20

SECTION V	HEALTH HAZARD DATA	SS 1020
Threshold Limited Value	Mulscence Particulates for less than 7 micro meter in diameter. 10 mg/m ³ (ACGIH 1992-93).	

Effects of Overexposure	IRRHATION: Low hazard for usual laboratory handling. EYES: No specific hazard known. Contact may cause transient irritation. SKIN: Low hazard for usual laboratory handling. INGESTION: Not an ingestion hazard.
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Emergency and First Aid Procedures	EYES: Flush thoroughly with water for 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention. INHALATION: No first aid measurements needed. SKIN: Flush with plenty of water. If irritation develops or persists, get medical attention. INGESTION: No first aid measures needed.
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SECTION VI	REACTIVITY DATA
Stability	Unstable Stable X
Incompatibility (Materials to Avoid)	Strong oxidizers.

Hazardous Decomposition Products	Combustion will produce smoke, carbon dioxide (CO ₂) and probably carbon monoxide (CO).
Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur X

SECTION VII	SPILL OR LEAK PROCEDURES
Steps to be taken in case material is released or spilled	Sweep up and place in a suitable container for proper disposal.

Waste Disposal Method	Discharge, treatment, or disposal may be subject to Federal, State or local laws. These disposal guidelines are intended for the disposal of calcium carbonate only. Dissolve in water and flush to sewer with copious amounts of water or dispose of in an approved incinerator.
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SECTION VIII	SPECIAL PROTECTION INFORMATION
Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If dusty conditions prevail, work in fume hood or wear NIOSH/MSHA-approved dust mask.
Ventilation	Local Exhaust Not needed. Special No. Mechanical (General) Not needed. Other No.
Protective Gloves	Not needed. Eye Protection Chemical safety glasses.
Other Protective Equipment	Lab coat, eye wash station.

SECTION IX	SPECIAL PRECAUTIONS
Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from oxidizing materials. Wash thoroughly after handling.
Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.	Revision No. 5 Date 9/13/96 Approved Michael Raszela Chemical Safety Confidentiality
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