

WARD'S

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MATERIAL SAFETY DATA SHEET

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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



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

NFPA
HAZARD RATING
LEAST SLIGHT MODERATE HIGH EXTREME
0 1 2 3 4

Health	0
Fire	1
Reactivity	1
HMIS*	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	Sucrose	%	100%	TLV Units	See Section V.
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SECTION III PHYSICAL DATA

LOW HAZARD FOR USUAL LABORATORY HANDLING; NON-TOXIC.

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.	Flammable Limits in Air % by Volume	N/A
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

Threshold Limited Value
M nuisance Particulates for less than 7 micro meter in diameter.
10 mg/m³ (ACGIH 1992-93).

Effects of Overexposure
Inhalation: 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.

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.

SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Excessive temperature or heat.
Incompatibility (Materials to Avoid)	Stable	X	
			Strong oxidizers.

Hazardous Decomposition Products

Combustion will produce smoke, carbon dioxide (CO₂) and probably carbon monoxide (CO).
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 solid-state quantities only.
Dissolve in water and flush to sewer with copious amounts of water or dispose of in an approved incinerator.

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. Other No.
Protective Gloves	Not needed. Eye Protection
Other Protective Equipment	Lab coat, eye wash station. Chemical safety glasses.

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.
Keep container tightly closed when not in use.

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 Raszaja
The information contained herein is furnished without warranty of any kind. Employees 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. *Hazardous Materials Industry Standards. Printed on recycled paper.