

#540


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MSDS No. SS 1020
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SECTION I NAME

24 HOUR EMERGENCY ASSISTANCE

Product SUCROSE
Chemical Synonyms Cane Sugar; Beet sugar
Formula C₁₂H₂₂O₁₁
Unit(s) Size 100, 500 grams, 2.5 Kg.
C.A.S. No. 57-50-1

	CHEMTREC 800-424-9300		Health	0
	Day 716-326-6177 Night 716-334-4222		Fire	1
NFPA HAZARD RATING		Least	Slight	2
		Moderate	High	3
		Extreme	Extremely High	4

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)	%	TLV Units
Sucrose	100%	None established
Low hazard for usual laboratory handling:		See Section V

SECTION III PHYSICAL DATA

Melting Point (°F)	185°C (365°F) dec.	Specific Gravity (M.D.=1)	1.58
Boiling Point (°F)	Decomposes	Percent Volatile by Volume (%)	Non-volatile (NA)
Vapor Pressure (mm Hg)	Negligible as solid	Evaporation Rate (n-Butyl Acetate = 1)	Non-volatile (NA)
Vapor Density (Air = 1)	Data not listed		
Solubility in Water	200 grams dissolve in 100 ml of water at 20°C.		
Appearance and Odor	Colorless or white granules; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-Flammable (NA)	Flammable Limits in Air	Lower: ----- Upper: -----
Extinguisher	Water spray; dry chemical (ABC); Carbon dioxide (CO ₂).		

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH-approved self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

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 - 10 mg/m³ (ACGIH 1984-85).
 for less than 7 micro meter in diameter.

Effects of Overexposure

INHALATION: Low hazard for usual laboratory handling.
EYE: 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

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	
	Stable		Excessive temperature or heat.
Incompatibility (Materials to avoid)			Strong oxidizers.

Hazardous Decomposition Products

Combustion will produce smoke, carbon dioxide (CO₂) and probably carbon monoxide (CO).

Hazardous Polymerization

Will Not Occur

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.

Waste Disposal Method

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	None should be needed in normal laboratory handling. If dusty conditions prevail, work in fume hood or wear NIOSH-approved dust mask.	Special	No
Ventilation (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 and Storing

Store in a cool, dry place away from oxidizing materials. Wash thoroughly after handling.

Other Precautions

Read label on container before using.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Rev. No. *No. 1* Date *11/2/87* Approved *Ward's Natural Science Establishment* Chemical Safety Coordinator *Ward's*

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