

**Safety Data Sheet (SDS)****Section 1: Identification**

Product Name:	Sugar, Brown Sugar, Light Brown Sugar, Dark Brown Sugar
Recommended Use:	This is a sweetener for human consumption and is intended for use in cooking and baking.
Manufacturer/Distributor:	Western Sugar Cooperative 7555 E. Hampden Avenue, Suite 600 Denver, CO 80231
Product Information Number:	800-523-7497 or 303-830-3939
Emergency Response Number:	1-800-222-1222 (24 Hour American Association of Poison Control Centers)

Section 2: Hazard Identification

Classification of substance:	No hazardous components
GHS Classification:	Not classified
Toxicity:	100% of the substance is not known to have toxic effects. Repeated or prolonged exposure is not known to aggravate medical conditions.

Section 3: Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS</u>	<u>%</u>
Sugar	57-50-1	97.5-98.5
Molasses (Invert Sugar Syrups)	68476-78-8	1.5-2.5

Section 4: First Aid Measures

Eye Contact:	Flush eyes with water for at least 15 minutes. If irritation develops, seek medical attention.
Skin Contact:	Wash skin with soap and water. Seek medical attention if irritation occurs.
Inhalation:	Remove from exposure into fresh air, provide adequate ventilation.

Section 5: Fire-Fighting Measures

Flammability:	Non-flammable
Flash Point:	Cloud ignition temperature 370°C if allowed to dry.
Extinguishing Media:	Water spray, carbon dioxide, dry chemical or appropriate foam. Treat as Class A Fire, Combustible Material.
Fire-fighting Procedures and Protection:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Fire/Explosion Hazards	Isolate from any source of heat or ignition, ventilate areas, avoid excess drying as this may allow for dust generation and build up. Toxic fumes emitted under fire conditions.

Section 6: Accidental Release Measures

Steps to Take in Case Material is Released or Spilled:	No health risks are expected from the clean-up if protective clothing, see Section 8, is worn to prevent contact with skin and eyes. Contain, gather and store the material in a sealed container. Keep wash water and clean-up from entering streams of ground water. Dispose of in accordance with applicable federal, state and local environmental regulations.
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Section 7: Handling and Storage

Handling:	Avoid excess handling with bare skin
Storage:	Store at ambient temperature in a sealed, air-tight container



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Section 8: Exposure Controls/Personal Protection

Eye Protection:	Under normal conditions, eye protection is not required. If excess dust conditions exist, eye protection such as safety glasses or goggles should be used to avoid exposure to the eye.
Skin Protection:	Under normal conditions, wash hands often to prevent skin irritation. If excess handling and dust exposure exists, protective clothing such as PVC gloves, impervious boots, coveralls or aprons are recommended.
Lung Protection:	Use product in well ventilated area to avoid inhalation of dust. If excess dust conditions exist, a use of a NIOSH/MSHA approved dust respirator is recommended.

Section 9: Physical and Chemical Properties

Formula:	C ₁₂ H ₂₂ O ₁₁ (sucrose)	Molecular Weight:	342.3
Appearance:	Light to dark brown monoclinic sphenoidal crystals		
Odor:	sweet, caramel	Vapor Density:	Not Applicable
Odor Threshold:	Not Applicable	Vapor Pressure:	Not Applicable
pH:	Not Applicable	Specific Gravity:	1.59 @ 25°C
Melting Point:	186°C	Log Pow (calc):	-3.7
Boiling Point:	Not Applicable	Autoignition Temp:	Not Applicable
Freezing Point:	Not Applicable	Decomposition Temp:	No data available
Flammable Limits in Air	No data available	Viscosity:	Not Applicable
Evaporation Rate:	Not Applicable	Solubility in Water:	Highly Soluble, 67.3% @ 25°C
Volatile (% by Volume):	Not Applicable		
Flash Point:	Cloud ignition temp 370°C		

Section 10: Stability and Reactivity

Reactivity:	Not generally reactive under normal conditions.
Stability:	Stable under normal conditions
Conditions to avoid:	Avoid excessive temperatures, exposure to ambient air, excess drying that may allow for generation and accumulation of dust.
Incompatible Materials:	Strong acids, strong oxidizing agents
Decomposition Products:	Carbon oxides and water
Hazardous Polymerization:	Will not occur

Section 11: Toxicological Information

Routes of Exposure:	Eye contact, skin contact, inhalation and ingestion.
Toxicity Data:	Dermal - Not determined Inhalation - Not determined Oral - Rat 29700gm/kg
Accute Toxic Effects:	Irritating to the skin and eyes on contact. Reddening, scaling, and itching are characteristics of skin inflammation. Irritation to the eyes will cause watering and redness. Inhalation will cause irritation to the lungs and mucus membrane. Always wear protective clothing when excess handling and dust exposure exists.

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Chronic Toxic Effects: No evidence of a mutagenic, carcinogenic, sensitization, or negative reproductive effects.

Section 12: Ecological Information

General: Not expected to harm the ecology in small doses.
Mobility and Persistence: Product does not readily absorb under normal conditions. If exposed to water, product is highly soluble and may become mobile.
Degradability: Biodegrades quickly.

Section 13: Disposal Considerations

Disposal Methods: Dispose of in accordance with applicable federal, state and local environmental regulations.

Section 14: Transportation Information

Proper Shipping Name: Sugar, Granulated Sugar, Fine Granulated Sugar, Coarse Granulated Sugar,
UN Number: N/A **Class:** N/A
P.G.: N/A **Label Code:** N/A

Section 15: Regulatory Information

FDA Status: This product is for food consumption and is generally recognized as safe. The product and manufacturing facilities are registered with the FDA.
TSCA Status: This product is on the Toxic Substance Control Act (TSCA) inventory list.
California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.

Section 16: Other Information

Prepared By: John Salway and Lorel Houben
Date: 10/12/2022
Replaces: 9/6/2012

The information provided in this Safety Data Sheet has been compiled from many various locations. All data represented has been provided by Western Sugar Cooperative and is, to the best of our knowledge, considered true and accurate. However, actual use is out of our control and Western Sugar Cooperative shall not be liable for any damages arising directly or indirectly in connection with the purchase, use, storage or transportation of this product.

Title: SDS Sugar

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