Powdered Sugar

Western Sugar Cooperative
(Grower Owned)

Safety Data Sheet (SDS)

Section 1: Identification

Product Name:	Sugart, Powder Sugar, Powdered Sugar, 6X Powdered Sugar, 10X Powdered Sugar. 10XX Powdered Sugar, 12X Powdered Sugar
Recommended Use:	This is a sweetener for human consumption and is intended for use in cooking and baking, and a general use sweetener.
Manufacturer/Distributor:	Western Sugar Cooperative 7555 E. Hampden Avenue, Suite 600 Denver, CO 80231
Product Information Number:	800-523-7497 or 303-830-3939
Emmercency Response Number:	1-800-222-1222 (24 Hour American association of Poison Control Centers)

Section 2: Hazard Identification

Classifcation of substance:	No hazardous components
WARNING	May form combustible dust concentrations in air
GHS Classification:	Combustible Dust Category 1
Toxicity:	100% of the substance is not known to have toxic effects. Repeated or prolonged exposure is not known to aggrevate medical condition.

Section 3: Composition/Information on Ingredients

Chemical Name	CAS	%
Sugar	57-50-1	95.0-98.0%
Starch (from Corn)	9005-25-8	2.0-5.0%

Section 4: First Aid Measures

Eye Contact:	Flush eyes with water for at least 15 minutes. If irritation developes, 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
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	Extremely dusty material. Isolate from any source of heat or ignition, ventilate areas, avoid 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 creating and inhaling dust
Storage:	Store at ambient temperature in a sealed, air-tight container

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, converalls 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:	$C_{12}H_{22}O_{11}$	**Molecular Weight:**	342.3
Appearance:	Colorless to White, Free-Flowing Crystalline Solid		
Odor:	None	**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
Volitile (% 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 moisture, 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

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Accute Toxic Effects:	Irritating to the skin and eyes on contact. Reddening, scaling, and itching are characteristics of skin inflamation. 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.
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 Persistance:	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, Baker's Special Sugar, Sucrose		
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 Staus:	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

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