



Product Data Sheet (SDS)

Beet Juice / Sugar

Section 1: Identification

Product Identifier

Product Name - CSB

Product Code - N/A

Relevant identified uses of the substance or mixture and uses advised against

Recommend use - Dust Control / De-Icer / Animal Feed

Section 2: Hazard Identification

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012 - Not classified as hazardous

Label elements

OSHA HCS 2012 - Product is subject to labeling requirements of the Federal Food, Drug, and Cosmetic act, 21 U.S.C. 301 *et seq.* (29 CFR 1910.1200) (5)(iii)

Eye - Not Applicable

Inhalation - Not Applicable

Other - Product has no hazardous components

Note - SDS data pertains

Section 3: Composition/ Information on Ingredients

Substances - Product does not meet the criteria of a substance.

Hazardous Components					
Chemical Name	Identifiers	% (Weight)	LD50/LC50	Classifications According to Regulations/Directive	Comments
Sucrose	CAS no.: 57-50-1	15%	Oral LD50 (Rat) 29,700 mg/kg	OSHA HCS 2012: No classification per Electronic Code of Federal Regulations. (n.d) Retrieved March 13, 2015 from http://www.ecfr.gov/appendix B.1.3.1 (Note) to 1910.1200	NDA
Plant Non-Sucroses	NDA	59%	NDA	OSHA HCS 2012: No Classification	NDA
Water	NDA	26%	NDA	OSHA HCS 2012: No Classification	NDA

Synonyms

- Concentrated Separator By- product
- Reduced Sugar Molasses
- De-sugared Molasses

Section 4: First Aid Measures

Description of first aid measures

Eye - Flush eyes immediately with copious amounts of water

Ingestion - No action necessary

Inhalation - No action necessary

Skin - No actions necessary

Section 5: Fire-Fighting Measures

Extinguishing Media:

Suitable Extinguishing Media - None

Special Hazards:

Hazardous Combustion Products - None

Hazardous Decomposition - None

Hazardous Reactivities & Incompatibilities - May react exothermically if stored at high temperatures

Ignition Temperature - None

Advice for Firefighters - None

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions - None

Methods and material for containment and cleaning up

Spill cleanup - Mechanical means then wash with water

Section 7: Handling and Storage

Precautions for safe handling

Handling - No special requirements

Conditions for safe storage, including any incompatibilities

Storage - Store at ambient temperature and humidity. Temperature should be less than 32 degrees C. Can be stored up to 5 years.

Section 8: Exposure Controls/ Personal Protection

Exposure Limits - No special requirements

Exposure Controls

Eye Protection - Optional

Ingestion Protection - Not necessary

Inhalation Protection - Not necessary

Skin Protection - Not necessary

Section 9: Physical and Chemical Properties

Material Description

Appearance - Syrup

Color - Dark Brown

Molecular Formula - Sucrose C₁₂ H₂₂ O₁₁

Molecular Weight	- Not applicable
Odor	- Sweet
pH	- 8 - 9.0 in 50% water solution
Solubility	- Very soluble in water (200 gm/ 100 gm water at 20° C)
Specific Gravity	- 1.35

Section 10: Stability and Reactivity

Reactivity	- No dangerous reaction know under conditions of normal use
Chemical Stability	- Stable product at normal temperatures and use. May react exothermically under proper conditions of invert, amino acids, and temperature.
Incompatible Materials	- None
Conditions to avoid	- None
Hazardous Decomposition	- None

Section 11: Toxicological Information

Information on toxicological effects

Carcinogens	- None listed
Acute Toxicity	- No additional adverse health effects noted
Chronic Toxicity	- No additional adverse health effects noted
Other Acute	- No additional adverse health effects noted

Section 12: Ecological Information

Toxicity	- Not dangerous to the environment based on ecotoxicity
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Section 13: Disposal Considerations

General Information	- Dispose of waste in accordance with local authority requirements
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Section 14: Transport Information

General Information	- No transportation requirements
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Section 15: Regulatory Information

OSHA	- OSHA HCS 2012
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- 29 CFR 1910. 1200

Section 16: Other Information

Hazard Ratings

National Fire Protection Association (NFPA)

- Fire = 0
- Health = 0
- Reactivity = 0
- Specific Hazard = None

Abbreviations and acronyms - The following abbreviations may be used in this document

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|---------|--|
| - C | Celsius |
| - F | Fahrenheit |
| - CAS | Chemical Abstracts Service |
| - CFR | Code of Federal Regulations |
| - gm | Grams |
| - HCS | Hazard Communication Standard |
| - LD50 | Lethal dose, 50% |
| - mg/kg | Milligrams per Kilogram |
| - OSHA | Occupational Safety and Health
Administration |
| - RDS | Refractive Dry Substance |

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