

# SAFETY DATA SHEET – LIQUID SUCROSE

Prepared to U.S. OSHA Standards in compliance with the GHS system (29 CFR 1910.1200(g), rev. 2012).

<b>Section 1</b>	<b>Identification</b>	<p><b>Liquid Sucrose</b></p> <p>Manufacturer's Name:  <b>United Sugar Producers and Refiners</b>  <b>8000 West 78<sup>th</sup> St., Suite 300</b>  <b>Edina, MN 55439</b></p> <p>Emergency Telephone Number:  <b>701-261-0660</b></p> <p>Information Telephone Number:  <b>800-984-3585</b></p>	<p>Food additive, beverage sweetener, flavor enhancer, baking ingredient, intended for human consumption</p> <p>No restrictions on use</p>
<b>Section 2</b>	<b>Hazard(s) Identification</b>	<p><b>No Hazardous Components</b></p> <p>Sugar itself <b>supports combustion only poorly</b> and is not by itself a hazard unless it is involved as a <b>secondary fuel</b> in an existing fire.</p>	No known hazards.
<b>Section 3</b>	<b>Composition/Information on Ingredients</b>	<p>&gt; 99.85% Sucrose, sugar, D(+)-Saccharose; C<sub>12</sub> H<sub>22</sub> O<sub>11</sub></p> <p>IUPAC: (2R,3R,4S,5S,6R)-2-[(2S,3S,4S,5R)-3,4-dihydroxy-2, 5-bis(hydroxymethyl) oxolan-2-yl] oxy-6-(hydroxymethyl) oxane-3,4,5-triol ]</p> <p>beta-D-Fructofuranosyl-alpha D glucopyranoside</p> <p>alpha-D-Gluco pyranosyl beta-D-fructofuranoside</p> <p>Water; H<sub>2</sub>O</p>	<p>67.5% +/- 0.2% Brix          66.5% +/- 0.2% Brix- West</p> <p><b>CAS 57-50-1</b>  <b>UNII C151H8M554</b>  <b>EINECS 200-334-9</b>  <b>RTECS WN6500000</b>  <b>CHEMBL 253582</b></p> <p>Pure product (organic compound)</p> <p><b>CAS 7732-18-5</b></p>
<b>Section 4</b>	<b>First Aid Measures</b>	<p><b>INHALED:</b> not expected to require first aid. Remove to fresh air; get medical attention for any breathing difficulty.</p> <p><b>INGESTED:</b> seek medical attention if symptoms develop.</p> <p><b>SKIN:</b> Redness and/or blistering of skin. If hot material gets on skin, flush affected area with cool water; seek medical attention in case of thermal burns.</p>	<p><b>EYES:</b> Mechanical irritant (red, watery, sore eyes). Flush granular material with running water, holding eyelids open. Get medical help if symptoms persist.</p>

<p><b>Section 5</b></p>	<p><b>Fire-fighting Measures</b></p>	<p>Normal fire department SOP for precautions and PPE. Use water or other approved media.</p>	<p>Though sugar itself supports combustion poorly, as with any finely divided organic (carbon-based) solid, however mixed with water chances are extremely low.</p>
<p><b>Section 6</b></p>	<p><b>Accidental Release Measures</b></p>	<p>Minimize spills to avoid possible slip hazards.</p>	<p>Clean-up personnel should wear proper protective equipment. Sweep or scoop up spill for recovery or disposal and place into a closed container. Non-toxic and biodegradable. Whatever cannot be saved for recovery may be discarded as permitted by applicable regulations.</p>
<p><b>Section 7</b></p>	<p><b>Handling and Storage</b></p>	<p>Avoid handling techniques which are capable of producing and/or dispersing fugitive dust.</p> <p><b>Remove ignition sources.</b></p> <p>Unloading conditions must be clean and sanitary.</p>	<p>In case of crystal formation in large capacity storage vessels, personnel working inside the vessel should not stand under large formations which could break loose and fall on those personnel.</p> <p>Keep product from getting diluted, possible fermentation can occur resulting in traces of ethanol and/or VFAs.</p> <p>Keep product well vented, and if possible not in confined spaces.</p>

<b>Section 8</b>	<b>Exposure Controls/Personal Protection</b>	<p>None normally required.</p>		<p>If spilled material is being flushed, floors and steps may become sticky. Use proper footwear when negotiating floors and steps.</p> <p>Wearing of contact lenses when handling product should be avoided. Wear protective goggles.</p>	
<b>Section 9</b>	<b>Physical and Chemical Properties</b>	Melting Point	N/A	Flash Point	N/A
		Boiling Point	N/A	Flammable Limits	N/A
		Specific Gravity (H <sub>2</sub> O = 1)	1.33	LEL	N/A
		Vapor Pressure (mm Hg.)	5.15E-17	UEL	N/A
		Vapor Density (AIR = 1)	N/A	<b>Appearance and Odor:</b> Clear, liquid; odorless to a characteristic caramel odor.	
		Evaporation Rate Butyl (Acetate = 1)	N/A		
		<b>Ash by conductivity:</b> <ul style="list-style-type: none"> <li>NMT 0.02%</li> </ul>			
<b>Section 10</b>	<b>Stability and Reactivity</b>	<p>Stable under ordinary conditions of use and storage. Hazardous polymerization will NOT occur.</p> <p>Avoid temperatures above 160° F; heat, flames, ignition sources, and incompatibles</p>		<p>Avoid strong oxidizers (e.g. nitric acid or sulfuric acid).</p> <p>Thermal decomposition or burning will produce carbon dioxide, carbon monoxide</p>	

<b>Section 11</b>	<b>Toxicological Information</b>	Non-toxic LD50 29,700 mg/kg (oral, rat): Respiratory cyanosis	Product contains no ingredients currently classified as carcinogenic by NTP, IARC, or OSHA.
<b>Section 12</b>	<b>Ecological Information (non-mandatory)</b>	Non-toxic and biodegradable	
<b>Section 13</b>	<b>Disposal Considerations (non-mandatory)</b>	Whatever cannot be saved for recovery may be discarded as permitted by applicable regulations.	
<b>Section 14</b>	<b>Transport Information (non-mandatory)</b>	Not applicable	
<b>Section 15</b>	<b>Regulatory Information (non-mandatory)</b>	Not ordinarily regulated. (Note some countries do have import quotas which restrict total amount of sugar entering their borders.)	
<b>Section 16</b>	<b>Other Information</b>	Reference: United Sugar Producers and Refiners Product Use and Information for Liquid Sucrose	
			Preparation Date: 10/10/2023 Revised: New

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