



MATERIAL SAFETY DATA SHEET
LPS® FOODLUBE Sugar Dissolving Fluid (Bulk)

Revision Date: October 17, 2012 Supersedes: None

Section 1 • Product and Company Identification

Product Name: LPS® FOODLUBE Sugar Dissolving Fluid (Bulk)
Part Number(s): 57728 , 57701
Chemical Name: Water / Polymer Solution
Product Use: A sugar dissolving solution
Manufacturer Information: LPS Laboratories, 4647 Hugh Howell Road, Tucker, GA, USA 30084
TEL: USA & Canada: 1 800 241-8334
Outside USA and Canada: +1 770 243-8800
FAX: USA & Canada: 1 800 543-1563
Outside USA and Canada: +1 770 243-8899
Emergency Telephone Number: Chemtrec: USA & Canada: 1 800 424-9300
Outside USA and Canada: +1 703 527-3887
Website: <http://www.lpslabs.com>

Section 2 • Hazards Identification

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Signal Word:	GHS Hazard Category	GHS Hazard Level	Hazard Statement
WARNING	Skin Corrosion / Irritation	3	H316 - Causes mild skin irritation.

GHS Symbols: None

Precautionary Statements

Prevention None

Response IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice / attention. Take off contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF SWALLOWED: Immediately call a POISON CENTER or a doctor / physician. Rinse mouth. Do not induce vomiting. [P302, P352, P332, P313, P362, P305, P351, P338, P304, P340, P301, P310, P330, P331]

Storage None

Disposal Dispose of contents/container in accordance with local / regional / national regulations. [P501]



MATERIAL SAFETY DATA SHEET
LPS® FOODLUBE Sugar Dissolving Fluid (Bulk)

Revision Date: October 17, 2012 Supersedes: None

Potential Chronic Health Effects:

Carcinogenic Effects: NTP: No IARC: No OSHA: No ACGIH: No
Mutagenic Effects: None
Teratogenic Effects: None
Target Organs: None

Medical conditions aggravated by exposure:
None

Signs and Symptoms

Stinging in eyes. Repeated or prolonged skin contact can cause redness, irritation, and scaling of the skin (dermatitis). Breathing of high vapor concentrations may cause headaches, stupor, irritation of throat and eyes, and kidney effects.

Section 3 • Composition / Information on Ingredients

Component	CASRN	Weight Percent
Sorbitan monolaurate, ethoxylated	9005-64-5	1 - 2%

Section 4 • First Aid Measures

Eyes: Check for and remove contact lenses. Immediately, flush eyes with cool, clean, low-pressure water for at least 15 minutes. Hold eyelids apart to ensure complete irrigation of the eye and eyelid tissue. DO NOT use eye ointment. Seek medical attention if irritation persists.

Skin: Remove contaminated shoes and clothing. Clean affected area thoroughly with mild soap and water. DO NOT use ointments. Seek medical attention if irritation persists.

Inhalation: Immediately move victim to fresh air. If victim is not breathing, immediately begin rescue breathing. If heart has stopped, immediately begin cardiopulmonary resuscitation (CPR). If breathing is difficult, seek medical attention immediately.

Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If spontaneous vomiting is about to occur, place victim's head below knees. If victim is drowsy or unconscious, place on the left side with head down. DO NOT leave victim unattended. Seek medical attention immediately.

Section 5 • Fire Fighting Measures

Products of Combustion: Carbon monoxide and carbon dioxide.

General Fire Hazards: High heat will cause explosive rupture of closed containers.

Firefighting media: SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use CO2, water spray, fog or foam.

Sensitivity to Impact: None **Sensitivity to Static Discharge:** None



MATERIAL SAFETY DATA SHEET

LPS® FOODLUBE Sugar Dissolving Fluid (Bulk)

Revision Date: October 17, 2012 **Supersedes:** None
Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

Protection Clothing (Fire):

Special Remarks on Explosion Hazards:
None

Section 6 • Accidental Release Measures

- Containment Procedures:**
- Small Spill and Leak:** Absorb with an inert material and dispose of properly.
 - Large Spill and Leak:** Pick up free liquid for disposal using absorbent pads, sand, or other inert non-combustible absorbent materials. Place into appropriate waste containers for later disposal.
- Clean-Up Procedures:** Recover free product and place in a suitable container for disposal.
- Evacuation Procedures:** Keep unnecessary and unprotected people away.
- Special Procedures:** Wear appropriate protective equipment during cleanup.

Section 7 • Handling and Storage

- Handling:** Avoid contact with skin and eyes. Wash thoroughly after handling.
- Storage:** Keep container sealed until ready for use. Keep container in a cool, well-ventilated area. Store between 40°F and 120°F (4.4°C and 49°C).
- Precautions to be taken in handling and storage:**
Keep container closed when not in use.

Section 8 • Exposure Controls / Personal Protection

Exposure Guidelines:

Component	CASRN	OSHA	ACGIH	NIOSH	Supplier
Sorbitan monolaurate, ethoxylated	9005-64-5	5 mg/m ³ (oil mist) PEL	5 mg/m ³ (oil mist) TLV	5 mg/m ³ (oil mist) TLV	Not established
			10 mg/m ³ (oil mist) STEL	10 mg/m ³ (oil mist) STEL	

Engineering Controls: Provide general and/or local exhaust ventilation or other engineering controls as needed.

Personal protective equipment

- Eye protection:** None required under normal conditions. Where there is a reasonable probability of liquid contact, wear splash-proof goggles. Eye wash fountain and emergency shower facilities are recommended.
- Hand protection:** Normally no hand protection is required; however, using chemical resistant gloves is recommended.



MATERIAL SAFETY DATA SHEET

LPS® FOODLUBE Sugar Dissolving Fluid (Bulk)

Revision Date: October 17, 2012

Supersedes: None

Respiratory protection: Typical use of this product under normal conditions does not require the use of respiratory protection. If airborne concentrations are above the applicable exposure limits (listed above), use NIOSH approved respiratory protection (i.e. organic vapor cartridge).

General Hygiene Wash thoroughly after handling. Have eye-wash facilities immediately available.

Section 9 • Physical and Chemical Properties

Appearance:	Liquid	Color:	Clear, colorless
Odor:	Mild / None	Evaporation Rate:	1 (H ₂ O = 1)
Solubility Description:	Soluble in water	Flash Point:	> 150°C (302°F)
Initial boiling point and boiling range	> 100°C (212°F)	Flash Point Method:	Tag-Closed Cup
Specific Gravity (H₂O=1):	1.00 - 1.10 @ 20°C	Decomposition Temperature:	Not established
Vapor Density (air = 1):	> 1	Auto ignition temperature:	Not established
Vapor Pressure:	~ 18 mm Hg @ 20°C	Flammable limits (estimated):	LOWER: N.E. UPPER: N.E.
Rule 1171 PPC:	Not applicable	Partition Coefficient (octanol/water):	< 1
V.O.C. Content:	Aerosol: Not applicable Bulk: 0%, 0 g/L, 0 lb/gal per CARB/OTC/EPA	Odor Threshold:	Not established
Melting Point:	Not established	Viscosity:	Not established
pH:	9.0 - 10.0	Volatiles:	80.24%
Heat of combustion:	Aerosol: Not applicable Bulk: Not established		

Section 10 • Stability and Reactivity

Chemical Stability:	Product is stable under recommended storage conditions.
Conditions to Avoid:	No specific measures to avoid.
Incompatibility:	Reactive or incompatible with oxidizing agents.
Hazardous Decomposition:	These products are carbon oxides (CO, CO ₂).
Hazardous Polymerization:	Will not occur.



MATERIAL SAFETY DATA SHEET
LPS® FOODLUBE Sugar Dissolving Fluid (Bulk)

Revision Date: October 17, 2012 Supersedes: None

Section 11 • Toxicological Information

Acute and Chronic Toxicity

A: General Product Information

An acute toxicity study of this product has not been conducted. Information given in this section relates only to individual constituents contained in this preparation.

B: Component Analysis

Component	CASRN	LC-50	LD-50
Sorbitan monolaurate, ethoxylated	9005-64-5	Not established	> 5000 mg/kg / oral / rat
			3000 mg/ kg/ skin / rabbit

Section 12 • Ecological Information

Mobility: Semi-volatile. Readily absorbed into soil. **Persistence / Degradability:** Readily biodegradable

Bioaccumulative potential: No bioaccumulation potential **Other adverse effects:** See below

Effects on Organisms	Component	CASRN	Test	Species	Results
Acute Toxicity on Fishes	Sorbitan monolaurate, ethoxylated	9005-64-5	96-hr LC50	Leuciscus idus	340 mg/L
Acute Toxicity on Daphnia	Sorbitan monolaurate, ethoxylated	9005-64-5	48-hr EC50	Daphnia magna	> 10 mg/L*
Bacterial Inhibition	No data available				
Growth inhibition of algae	Sorbitan monolaurate, ethoxylated	9005-64-5	48-hr EC50	Unspecified Algae	100 mg/L
Bioaccumulation in fish	No data available				

*Note: Supplier data

Section 13 • Disposal Considerations

Waste Status: In its purchased form, this material does not meet the definition of a RCRA hazardous waste (40 CFR 261).

Disposal: Waste must be disposed of in accordance with any and all applicable environmental control rules and/or regulations.

Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information inaccurate, incomplete, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive than federal laws and regulations.

Section 14 • Transport Information

This product is not regulated by any mode of transportation.

Section 15 • Regulatory Information

U.S. Federal Regulations

RCRA Hazardous Waste No.: None



MATERIAL SAFETY DATA SHEET
LPS® FOODLUBE Sugar Dissolving Fluid (Bulk)

Revision Date: October 17, 2012 Supersedes: None

Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA):
None

Toxic Substances Control Act (TSCA):
All components of this product are TSCA inventory listed and/or are exempt.

Superfund Amendments and Reauthorization Act (SARA) Title III SARA Section 311/312 (40 CFR 370) Hazard Categories:
None

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):
No individual section 313 component is present at or above 1%.

Section 112 Hazardous Air Pollutants (HAPs): None

State Regulations

California: This product does not contain chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm.

California and OTC States: This product conforms to consumer product regulations.


New Jersey Right to Know:

Water 7732-18-5 • EO/PO polymer 9003-11-6 • Decanedioic acid, disodium salt 17265-14-4 • Propylene Glycol 57-55-6 • Sorbitan monolaurate, ethoxylated 9005-64-5

International Regulations

Montreal Protocol listed ingredients: None
Stockholm Convention listed ingredients: None
Rotterdam Convention listed ingredients: None
RoHS Compliant: Yes

Section 16 • Other Information

MSDS#: 157728 MSDS Preparation Responsible Name: Elena Badiuzzi Compliance Manager Telephone: +1 770 243-8800	HMIS III		NFPA	
	Health:	[] 1	Flammability	
	Flammability Aerosol:	NA	Health  Reactivity Special	
	Flammability Bulk:	0		
	Physical Hazard Aerosol:	NA		
Physical Hazard Bulk:	0			

Notice to Reader:
To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Ed Williams, Technical Manager
LPS Laboratories, a division of Illinois Tool Works