



SAFETY DATA SHEET

LPS® FOODLUBE Sugar Dissolving Fluid (Aerosol)

Revision Date: April 2, 2015

Supersedes: October 17, 2012

Section 1 • Product and Company Identification

Product Name: LPS® FOODLUBE Sugar Dissolving Fluid (Aerosol)

Part Number(s): 57716

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).

GHS Hazard Level	GHS Hazard Level	Hazard Statement
Signal Word: Flammable Aerosols	2	H223 - Flammable aerosol.
Skin Corrosion / Irritation	3	H316 - Causes mild skin irritation.

DANGER

GHS Symbols:



Precautionary Statements

Prevention Keep away from heat/sparks/open flames / hot surfaces - no smoking. Do not spray on an open flame or other ignition source. Pressurized container: do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 oC/ 122 oF. Wash hands thoroughly after handling. [P210, P211, P251, P410, P412, P264]

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 Protect from sunlight, store in a well-ventilated place and do not expose to temperatures exceeding 50oC/ 122oF. [P410, P403, P412]



SAFETY DATA SHEET
LPS® FOODLUBE Sugar Dissolving Fluid (Aerosol)

Revision Date: April 2, 2015

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

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:

Persons with pre-existing central nervous system (CNS) disease, neurological conditions, skin disorders, chronic respiratory diseases, or impaired liver or kidney function should avoid exposure.

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
Liquified Petroleum Gas	68476-86-8	2 - 3%
Sorbitan monolaurate, ethoxylated	9005-64-5	1 - 2%

Section 4 • First Aid Measures

Eyes: Check for and remove contact lenses. If irritation or redness develops, 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 immediately.

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.



SAFETY DATA SHEET
LPS® FOODLUBE Sugar Dissolving Fluid (Aerosol)

Revision Date: April 2, 2015

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Section 5 • Fire Fighting Measures

Products of Combustion: Carbon monoxide and carbon dioxide.

General Fire Hazards: Do not use on energized equipment. High heat will cause product to boil, evolving vapor that could cause explosive rupture of closed containers.

Firefighting media: SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use CO2, water spray, fog or foam. Cool containing vessels with water jet in order to prevent pressure build-up, auto-ignition or explosions.

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

Protection Clothing (Fire): 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. Evacuate area and fight the fire from a maximum distance or use unmanned hose holders or monitor nozzles.

Special Remarks on Explosion Hazards:
Aerosols may explode upon heating, spread fire and overcome sprinkler systems.

Section 6 • Accidental Release Measures

Containment Procedures:

Small Spill and Leak: Eliminate ignition sources. Absorb with an inert material and dispose of properly.

Large Spill and Leak: Eliminate ignition sources. Secure the area and control access. Dike far ahead of a liquid spill to ensure complete collection. 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: Ventilate area of leak or spill. Keep unnecessary and unprotected people away.

Special Procedures: Remove all sources of ignition. Ventilate area. Wear personal protective equipment during cleanup.

Section 7 • Handling and Storage

Handling: DO NOT spray into or around ignition sources. After handling, always wash hands thoroughly with soap and water. Use only with adequate ventilation. Avoid breathing vapors or spray mists.

Storage: Keep container closed and in a cool, well-ventilated area. Avoid all sources of ignition (spark or flame). Store below 120°F (49°C).

Precautions to be taken in handling and storage:
Store aerosols as Level 1 Aerosol (NFPA 30B). Store all materials in a dry, well-ventilated area. Avoid breathing vapors.



SAFETY DATA SHEET
LPS® FOODLUBE Sugar Dissolving Fluid (Aerosol)

Revision Date: April 2, 2015

Supersedes: October 17, 2012

Section 8 • Exposure Controls / Personal Protection

Exposure Guidelines:

Component	CASRN	OSHA	ACGIH	NIOSH	Supplier
Sorbitan monolaurate, ethoxylated	9005-64-5	5 mg/m3 (oil mist) PEL	5 mg/m3 (oil mist) TLV	5 mg/m3 (oil mist) TLV	Not established
			10 mg/m3 (oil mist) STEL	10 mg/m3 (oil mist) STEL	
Liquified Petroleum Gas	68476-86-8	1000 ppm PEL	1000 ppm TLV	1000 ppm TWA	None reported

Engineering Controls: Provide general and/or local exhaust ventilation to keep exposures below the exposure guidelines listed above.

Personal protective equipment

Eye protection: Safety glasses with side shields conforming to appropriate regulations. Eye wash fountain and emergency shower facilities are recommended.

Hand protection: Normally no hand protection is required; however, if product will be sprayed for an extended period, "overspray" onto skin may occur. If so, wear chemical resistant gloves conforming to appropriate regulations. Please observe the instructions regarding permeability and breakthrough time that are provided by the supplier of the gloves.

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 Considerations: 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:	-118°C (-180°F) - propellant
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:	<1.00 mm Hg @ 20°C	Flammable limits (estimated):	LOWER: N.E. UPPER: N.E.
Rule 1171 PPc:	Not applicable	Partition Coefficient (octanol/water):	< 1



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LPS® FOODLUBE Sugar Dissolving Fluid (Aerosol)

V.O.C. Content:	Aerosol: 4% Bulk: Not applicable	Revision Date: April 2, 2015	Odor Threshold:	Supersedes: October 17, 2012	Not established
Melting Point:	Not established		Viscosity:		Not established
pH:	9.0 - 10.0		Volatiles:		>80%
Heat of combustion:	Aerosol: < 20 kJ/g Bulk: Not established				

Section 10 • Stability and Reactivity

Chemical Stability:	Product is stable under recommended storage conditions.
Conditions to Avoid:	Keep away from heat and ignition sources. Avoid exposure to direct sunlight for extended periods and temperatures in excess of 122°F (50°C).
Incompatibility:	Extremely reactive or incompatible with oxidizing agents.
Hazardous Decomposition:	Combustion will generate smoke, possibly thick and choking, resulting in zero visibility and combustion products include carbon monoxide and carbon dioxide.
Hazardous Polymerization:	Will not occur.

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
Liquified Petroleum Gas	68476-86-8	658 mg/L / rat / 4 hr*	Not appropriate

* Supplier Data

Section 12 • Ecological Information

Mobility:	Non-volatile. Absorbed only slowly into soil.	Persistence / Degradability:	Only slightly biodegradable
Bioaccumulative potential:	No bioaccumulation potential	Other adverse effects:	See below

The mixture is not classified as environmentally toxic.



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LPS® FOODLUBE Sugar Dissolving Fluid (Aerosol)

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Ecotoxicity

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				

* Supplier Data

Section 13 • Disposal Considerations

Waste Status: Aerosol cans, if depressurized and emptied to less than 1 inch (2.54 cm) of fluid contents, are classified as non-hazardous waste under 40 CFR 261.7 (U.S.). If disposed of in its received form, the aerosol product carries the waste codes D001 and D003 (U.S.).

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

D.O.T. Ground	Shipping Name:	Aerosols	UN No.:	1950
	Hazard Class:	2.1	Technical Name:	NA
	Subclass:	NA	Hazard Label:	LTD QTY
	Packing Group:	NA		
Road/Rail - ADR/RID	UN No.:	1950	ADR Class:	2
	Packing Group:	NA	Classification Code:	5F
	Name and description:	AEROSOLS, flammable	Hazard ID No.:	NA
	Labeling:	2.1	Technical Name:	NA
IMDG-IMO	UN No.:	1950	Class:	2
	Shipping Name:	Aerosols	Subsidiary Risk:	2.1
	Labeling:	2	Packing Group:	NA
	Packing Instructions:	P003, LP02	EmS:	F-D, S-U
	Marine pollutant:	No	Technical Name:	NA
IATA - ICAO:	UN No.:	1950	Class:	2.1
	Shipping Name:	Aerosols, flammable	Subclass:	NA
	Packing Instructions:	203, Y203 (Ltd. Qty.)	Packing Group:	NA
	Labeling:	Flammable Gas	Technical Name:	NA

The preceding information is subject to change and must be verified prior to shipment. It is the responsibility of anyone offering hazardous materials for shipment to ensure compliance with all applicable regulations.



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Revision Date: April 2, 2015

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Section 15 • Regulatory Information

U.S. Federal Regulations

RCRA Hazardous Waste No.: D001, D003

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:
Sudden Release of Pressure, Fire Hazard, Immediate (Acute) Health Hazard

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):
None

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 • Liquefied Petroleum Gas 68476-86-8 • Decanedioic acid, disodium salt 17265-14-4 • Propylene Glycol 57-55-6 • Sorbitan monolaurate, ethoxylated 9005-64-5

Bulk: Not applicable

International Regulations

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



SAFETY DATA SHEET
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Revision Date: **April 2, 2015**

Supersedes: **October 17, 2012**

Section 16 • Other Information

MSDS#: 157716 MSDS Preparation Responsible Name: Elena Badiuzzi Compliance Manager Telephone: +1 770 243-8800	HMIS III		NFPA	
	Health:		Flammability	
	[] 1			
	Flammability Aerosol:	2		
	Flammability Bulk:	NA		
Physical Hazard Aerosol:	2			
Physical Hazard Bulk:	NA	Special		

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