



# MATERIAL SAFETY DATA SHEET

## LPS<sup>®</sup> Anti-Spatter

Revision Date: March 28, 2011

Supersedes: March 24, 2009

### Section 1 – Identification

**Product Name:** LPS<sup>®</sup> Anti-Spatter

**Part Number(s):** 02116, C02116

**Chemical Name:** Water / surfactant mixture

**Product Use:** A water-based emulsion for releasing welding spatter.

**Manufacturer Information:** LPS Laboratories, 4647 Hugh Howell Rd., Tucker, GA, USA 30084

**TEL:** USA & Canada: 1 800 241-8334  
Outside USA & Canada: +1 770 243-8800

**FAX:** USA & Canada: 1 800 543-1563  
Outside USA & Canada: +1 770 243-8899

**Emergency Telephone Number:** Chemtrec: USA & Canada 1-800-424-9300  
Outside USA & Canada: +1 703 527-3887

**Website:** <http://www.lpslabs.com>

#### PLAIN LANGUAGE HAZARD SUMMARY

Material Safety Data Sheets can be confusing. Federal and State laws require us to include a great deal of technical information that probably won't help the non-professional. LPS includes this "PLAIN LANGUAGE HAZARD SUMMARY" to address the questions and concerns of the average worker. If you have additional health, safety or product questions, don't hesitate to call us at 800/241-8334.

#### Worker Toxicity

LPS<sup>®</sup> Anti-Spatter is a non-silicone, water-based material which casts a liquid film. It is a non-flammable, water-based emulsion containing a vegetable-derived agent designed for releasing welding spatter. It is not a hazardous substance as defined by 29CFR 1910.1200. For more exposure and first aid information, refer to MSDS Sections 2, 8 and 11.

#### Flammability

LPS<sup>®</sup> Anti-Spatter does not have a flash point and is non-flammable. Please refer to handling and storage section for further information.

#### Disposal

Dispose of in accordance with local, state and federal regulations. See section 13 for more details.



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### Section 2 • Hazards Identification

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*This material is considered non-hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.*

#### Emergency Overview:

**Aerosol:** WARNING: Contents under pressure. Keep away from heat, sparks, and flame.

**Bulk:** Not applicable

**Primary route(s) of entry:** Skin and eye contact. Inhalation.

#### Potential Acute Health Effects:

**Eyes:** Liquid may cause temporary irritation.

**Skin:** Repeated or prolonged skin contact may cause drying and defatting of skin.

**Inhalation:** May irritate mucosal tissue at high concentrations.

**Ingestion:** Not a likely route of exposure. Ingestion may result in nausea, abdominal discomfort, or diarrhea.

#### 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:** May cause allergic reaction in individuals who are allergic to soy.

#### Signs and Symptoms

Stinging in eyes. Repeated or prolonged skin contact can cause redness, irritation, and scaling of the skin (dermatitis).

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### Section 3 – Composition / Information on Ingredients

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Component	CASRN	Weight Percent
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*No hazardous ingredients are present at or above 1%.*



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### Section 4 – First Aid Measures

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- 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 if irritation persists.
- Skin:** If irritation takes place, remove clothing and launder before reuse. Wash skin with soap and rinse with water for at least 15 minutes. 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.

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### Section 5 – Fire Fighting Measures

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**Products of Combustion:** Carbon Monoxide and Carbon Dioxide.

**General Fire Hazards:** 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 CO<sub>2</sub>, 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:** None

**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.

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### Section 6 – Accidental Release Measures

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**Containment Procedures**    **Small Spill and Leak:**    Absorb with an inert material and dispose of properly.

**Large Spill and Leak:**    Absorb with an inert material and dispose of properly.

**Clean-Up Procedures**    Recover free product and place in suitable container for disposal.

**Evacuation Procedures**    Ventilate area of leak or spill. Keep unnecessary and unprotected people away.

**Special Procedures**    Ventilate area. Wear appropriate protective equipment during cleanup. Be aware of spilled material on walking surfaces – this product is slippery.



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**Section 7 – Handling and Storage**

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<b>Handling:</b>	Wash thoroughly after handling.
<b>Storage:</b>	Keep container in a cool, well-ventilated area. Store between 40°F and 120°F (4.4°C and 49°C).
<b>Precautions to be taken in handling and storage:</b>	<i>Store aerosols as Level 1 Aerosol (NFPA 30B).</i> Store all materials in a dry, well-ventilated area. Avoid breathing vapors.

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**Section 8 – Exposure Controls / Personal Protection**

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<b>Engineering Controls:</b>	Provide local and/or general exhaust ventilation to keep exposures below 5 mg/m <sup>3</sup> oil mist in air.
<b>Personal Protection:</b>	
<b>Eye protection</b>	Safety glasses with side shields conforming to appropriate regulations.
<b>Hand protection</b>	Normally, no hand protection is required; however, using chemically resistant gloves is recommended.
<b>Respiratory protection</b>	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 (e.g. organic vapor cartridge).
<b>General Hygiene Considerations:</b>	Wash thoroughly after handling.



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### Section 9 • Physical and Chemical Properties

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<b>Appearance:</b>	Liquid	<b>Color:</b>	Straw, opaque, milky
<b>Odor:</b>	Bland	<b>Evaporation Rate:</b>	1 (H <sub>2</sub> O=1)
<b>Solubility Description:</b>	100% in water	<b>Flash Point:</b>	None
<b>Boiling Point:</b>	100°C (212°F) – dispensed liquid	<b>Flash Point Method:</b>	TCC
<b>Specific Gravity (H<sub>2</sub>O=1):</b>	0.99 – 1.01 @ 20°C	<b>Decomposition Temperature:</b>	Not Established
<b>Vapor Density (air = 1):</b>	Not Established	<b>Auto Ignition Temperature:</b>	Not Established
<b>Vapor Pressure:</b>	Not Established	<b>Flammable limits (estimated):</b>	LOWER: Not Established UPPER: Not Established
<b>Rule 1171 PPC:</b>	Not Applicable	<b>Partition Coefficient (octanol/water):</b>	<1
<b>V.O.C. Content:</b>	Aerosol: 0%, 0 g/L, 0 lb/gal per CARB/OTC/EPA Regulations Bulk: Not Applicable	<b>Odor Threshold:</b>	Not Established
<b>Melting Point:</b>	Not Established	<b>Viscosity:</b>	Not Established
<b>pH:</b>	8.5 – 9.0	<b>Volatiles:</b>	95-97%
<b>Heat of combustion:</b>	Aerosol: <20 kJ/g Bulk: Not Applicable		

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### Section 10 – Chemical Stability and Reactivity

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<b>Chemical Stability:</b>	Product is stable under recommended storage conditions.
<b>Conditions to Avoid:</b>	Avoid extreme heating or freezing.
<b>Incompatibility:</b>	None under typical use circumstances. Reacts with substances that react with water.
<b>Hazardous Decomposition:</b>	Will not occur.
<b>Hazardous Polymerization:</b>	Will not occur.



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**Section 11 – Toxicological Information**

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**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**

None

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**Section 12 – Ecological Information**

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**Mobility:** Low volatility. Will absorb into soil. **Persistence and degradability:** 100% biodegradable / inert.

**Bioaccumulative potential:** No bioaccumulation potential **Other adverse effects:** None known.

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**Section 13 – Disposal Considerations**

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**Waste Status:** Aerosol products, 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, an aerosol carries waste codes D003. (U.S.).

**Disposal:** Waste must be disposed of in accordance with national, regional, provincial, and local environmental control 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.

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**Section 14 – Transportation Information**

D.O.T. Ground	Shipping Name:	Consumer Commodity	UN Number:	NA
	Hazard Class:	ORM-D	Technical Name:	NA
	Subclass:	NA	Hazard Label:	ORM-D Already on box
	Packing group:	NA		
Road/Rail - ADR/RID :	UN no:	1950	ADR Class:	2
	Packing group:	N/A	Classification code:	5A
	Name and Description:	Aerosols, asphyxiant	Hazard ID no:	N/A
	Labeling:	2.2	Technical Name:	N/A
IMDG-IMO	UN no:	1950	Class:	2
	Shipping Name:	AEROSOLS	Subsidiary Risk:	2.2
	Labeling:	Non-flammable Gas	Packing group:	N/A
	Packing Instructions:	N/A	EmS:	F-D, S-U
	Marine pollutant:	No	Technical Name:	N/A
IATA-ICAO:	UN no:	1950	Class:	2.2
	Shipping Name:	Aerosols, non-flammable	Subclass:	N/A
	Packing Instructions:	203, Y203 (Ltd Qty)	Packing Group:	N/A
	Labeling:	Non-flammable Gas	Technical Name:	N/A

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.

**Section 15 – Regulatory Information****U.S. Federal Regulations**

RCRA Hazardous Waste No.: D003

Comprehensive Environmental Response 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

**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



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### State Regulations

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

**California and OTC States:** This product is not regulated by consumer regulations.

### New Jersey Right to Know:

**Aerosol:** Water 7732-18-5 • Lecithin 8002-43-5 • Nitrogen 7727-37-9 • Soybean oil 8001-22-7 • Ethoxylated monoglycerides 68153-76-4

**Bulk:** Not applicable

### International Regulations

**Canadian Environmental Protection Act:** All of the components of this product are included on the Canadian Domestic Substances list (DSL).

### Canadian Workplace Hazardous Materials Information System WHMIS:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

#### WHMIS Classification:

Aerosol: Class A, Class D2B



Montreal Protocol listed ingredients: None.

Stockholm Convention listed ingredients: None.

Rotterdam Convention listed ingredients: None.

RoHS Compliant: Yes.

### Section 16 • Other Information

MSDS# 12116 MSDS Preparation Responsible Name: Clea George Regulatory Affairs Coordinator Telephone: +1 770 243-8800	HMIS 1996		HMIS III		<p>NFPA Flammability</p> <p>Health      Reactivity</p> <p>Special</p>
	Health:	0	Health:	0	
	Flammability:	0	Flammability aerosol:	0	
			Flammability bulk:	N/A	
	Reactivity:	0	Physical hazard aerosol:	2	
Physical hazard bulk:			N/A		

#### 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.

Clea L George, Regulatory Affairs Coordinator  
LPS Laboratories, A division of Illinois Tool Works