



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

<b>Product identifier</b>	<b>LPS® Anti-Spatter</b>	
<b>Version #</b>	02	
<b>Issue date</b>	03-19-2014	
<b>Revision date</b>	04-19-2014	
<b>Supersedes date</b>	03-19-2014	
<b>CAS #</b>	Mixture	
<b>Part Number</b>	02116, C02116	
<b>Product use</b>	A water-based emulsion for releasing welding spatter.	
<b>Manufacturer information</b>	LPS Laboratories, a division of Illinois Tool Works 4647 Hugh Howell Rd Tucker, Georgia 30084 United States www.lpslabs.com 1-800-241-8334/ 770-243-8800 Chemtrec 1-800-424-9300	
<b>Supplier</b>	Not available.	

## 2. Hazards Identification

<b>Emergency overview</b>	WARNING  CONTENTS UNDER PRESSURE. Aerosol. Pressurized container may explode when exposed to heat or flame.  May be irritating to eyes. May cause skin irritation.
<b>Potential health effects</b>	
<b>Routes of exposure</b>	Eye contact. Skin contact. Inhalation. Ingestion.
<b>Eyes</b>	Do not get this material in contact with eyes. May cause eye irritation.
<b>Skin</b>	Do not get this material in contact with skin. Contact with skin may cause irritation.
<b>Inhalation</b>	Intentional misuse by concentrating and inhaling the product can be harmful or fatal.
<b>Ingestion</b>	Exposure by ingestion of an aerosol is unlikely. Do not ingest.
<b>Signs and symptoms</b>	Direct contact with eyes may cause temporary irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

## 3. Composition / Information on Ingredients

The components are not hazardous or are below required disclosure limits.

## 4. First Aid Measures

<b>First aid procedures</b>	
<b>Eye contact</b>	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms persist.
<b>Ingestion</b>	In the unlikely event of swallowing contact a physician or poison control center.
<b>Notes to physician</b>	Provide general supportive measures and treat symptomatically.
<b>General advice</b>	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## 5. Fire Fighting Measures

<b>Flammable properties</b>	Pressurized container may explode when exposed to heat or flame.
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<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Dry chemical powder. Carbon dioxide (CO2). Water spray, fog or regular foam.
<b>Unsuitable extinguishing media</b>	Not available.
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Contents under pressure. Pressurized container may explode when exposed to heat or flame.
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus. Structural firefighters protective clothing will only provide limited protection.
<b>Fire fighting equipment/instructions</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Do not direct water at source of leak or safety devices as icing may occur. Containers should be cooled with water to prevent vapor pressure build up. Some of these materials, if spilled, may evaporate leaving a flammable residue.
<b>Specific methods</b>	Cool containers exposed to flames with water until well after the fire is out.
<b>Explosion data</b>	
<b>Sensitivity to static discharge</b>	None known.
<b>Sensitivity to mechanical impact</b>	None known.
<b>Hazardous combustion products</b>	May include oxides of carbon.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Consider initial downwind evacuation for at least 500 meters (1/3 mile). Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. For personal protection, see section 8 of the MSDS.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
<b>Methods for containment</b>	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. If possible, turn leaking containers so that gas escapes rather than liquid. Move the cylinder to a safe and open area if the leak is irreparable. Prevent entry into waterways, sewer, basements or confined areas.
<b>Methods for cleaning up</b>	Ventilate the area. Stop the flow of material, if this is without risk. Isolate area until gas has dispersed. Following product recovery, flush area with water. Clean up in accordance with all applicable regulations. For waste disposal, see section 13 of the MSDS.
<b>Other information</b>	Clean up in accordance with all applicable regulations.

## 7. Handling and Storage

<b>Handling</b>	Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not re-use empty containers. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not get this material on clothing. Do not use in areas without adequate ventilation. Wear positive pressure self-contained breathing apparatus (SCBA). Wear personal protective equipment. Wash thoroughly after handling.
<b>Storage</b>	Level 1 Aerosol.  Contents under pressure. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store in a well-ventilated place. Keep container dry. Store away from incompatible materials (see Section 10 of the MSDS). Keep in an area equipped with sprinklers.

## 8. Exposure Controls / Personal Protection

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Engineering controls</b>	Ensure adequate ventilation, especially in confined areas.

## Personal protective equipment

<b>Eye/face protection</b>	If contact is likely, safety glasses with side shields are recommended.
<b>Skin protection</b>	Use personal protective equipment as required.
<b>Respiratory protection</b>	No personal respiratory protective equipment normally required. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Liquid.
<b>Physical state</b>	Gas.
<b>Form</b>	Aerosol. Compressed gas.
<b>Color</b>	Opaque. Milky.
<b>Odor</b>	Not significant.
<b>Odor threshold</b>	Not established
<b>pH</b>	8.5 - 9
<b>Vapor pressure</b>	Not established
<b>Vapor density</b>	Not established
<b>Boiling point</b>	212 °F (100 °C) - dispensed liquid
<b>Melting point/Freezing point</b>	Not established
<b>Solubility (water)</b>	100 %
<b>Specific gravity</b>	Not available.
<b>Relative density</b>	0.99 - 1.01 @ 20°C (water = 1)
<b>Flash point</b>	None
<b>Flammability limits in air, upper, % by volume</b>	Not established
<b>Flammability limits in air, lower, % by volume</b>	Not established
<b>Auto-ignition temperature</b>	Not established
<b>VOC</b>	0 % per US State & Federal Consumer Product Regulations
<b>Evaporation rate</b>	1 (water = 1)
<b>Viscosity</b>	Not established
<b>Percent volatile</b>	95 - 97 %
<b>Partition coefficient (n-octanol/water)</b>	< 1
<b>Other data</b>	
<b>Decomposition temperature</b>	Not established
<b>Explosive limit - lower (%)</b>	Not established
<b>Explosive limit - upper (%)</b>	Not established
<b>Heat of combustion</b>	< 20 kJ/g

## 10. Chemical Stability & Reactivity Information

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Avoid high temperatures.
<b>Incompatible materials</b>	None known.
<b>Hazardous decomposition products</b>	Carbon oxides.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

<b>Toxicological data</b>	No data available.
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<b>Acute effects</b>	Based on available data, the classification criteria are not met.
<b>Sensitization</b>	Based on available data, the classification criteria are not met.
<b>Local effects</b>	May irritate eyes and skin.
<b>Chronic effects</b>	Prolonged inhalation may be harmful. Prolonged or repeated contact may cause drying, cracking, or irritation.
<b>Carcinogenicity</b>	Not available.
<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/irritation</b>	Direct contact with eyes may cause temporary irritation.
<b>Mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Reproductive effects</b>	This product is not expected to cause reproductive or developmental effects.
<b>Teratogenicity</b>	Not available.
<b>Symptoms and target organs</b>	Irritant effects. Exposure may cause temporary irritation, redness, or discomfort.
<b>Synergistic materials</b>	Not available.
<b>Further information</b>	None known.

## 12. Ecological Information

<b>Ecotoxicological data</b>	No ecotoxicity data noted for the ingredient(s).
<b>Ecotoxicity</b>	Not available.
<b>Environmental effects</b>	Not available.
<b>Aquatic toxicity</b>	Not available.
<b>Persistence and degradability</b>	Expected to biodegrade.
<b>Partition coefficient</b> < 1	
<b>Mobility in environmental media</b>	This product is miscible in water. Readily absorbed into soil.

## 13. Disposal Considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

## 14. Transport Information

<b>TDG</b>	
<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	AEROSOLS, non-flammable
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.2
<b>Subsidiary risk</b>	-
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	Not available.
<b>Special precautions for user</b>	Read safety instructions, MSDS and emergency procedures before handling.
<b>IATA</b>	
<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, non-flammable
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.2
<b>Subsidiary risk</b>	-
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	No.

**ERG Code** 2L  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, MSDS and emergency procedures before handling.

**Other information**

**Passenger and cargo aircraft** Allowed.  
**Cargo aircraft only** Allowed.

**IMDG**

**UN number** UN1950  
**UN proper shipping name** AEROSOLS  
**Transport hazard class(es)**  
**Class** 2.2  
**Subsidiary risk** -  
**Label(s)** 2.2  
**Packing group** Not applicable.

**Environmental hazards**

**Marine pollutant** No.

**EmS** F-D, S-U

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, MSDS and emergency procedures before handling.

**IATA; IMDG; TDG**



**15. Regulatory Information**

**Canadian regulations**

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

**WHMIS status**

Controlled

**WHMIS classification**

A - Compressed Gas  
D2B - Other Toxic Effects-TOXIC

**WHMIS labeling**



**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other Information

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

### Prepared by

Not available.

### This data sheet contains changes from the previous version in section(s):

Regulatory Information: Risk Phrases - Labeling  
GHS: Classification