



MATERIAL SAFETY DATA SHEET

LPS WorkPlace Hand Cleaner Towels

Revision 3

Revision Date: 8/5/08

Supercedes: 1/31/03

Section 1 • Product and Company Identification

Product Name: LPS WorkPlace Hand Cleaner Towels

Part Number: 09200, C09200

Chemical Name: Aqueous emulsion of natural solvents and oils

Product Use: A deep cleaning, non-abrasive hand cleaner towel designed for removing heavy dirt, oil, and grease from hands.

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

TEL: 1 770-243-8800

Emergency Telephone Number: 1-800-424-9300 Chemtrec;
Outside U.S.: (703) 527-3887

FAX: 1 770-243-8899

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 WorkPlace Hand Cleaner Towels is an industrial-strength hand cleaner towel designed and manufactured in accordance with Good Manufacturing Practices per the requirements of the U.S. Food and Drug Administration for cosmetics. This product does not represent a significant worker hazard in any way. However, always use chemicals (even hand cleaners) with common sense. Do not use on your face or eyes (it will be very irritating). Do not rub on cuts or deep scratches (it is not "anti-bacterial"). Do not ingest, you could choke on it. Keep out of reach of children.

Flammability

LPS WorkPlace Hand Cleaner Towels liquid solution on towel has no flash point to boiling; however the towel itself should not be used near fire or flame. See section 5 for more flammability information.

Disposal

LPS WorkPlace Hand Cleaner Towels is non-hazardous for disposal in its purchased form and should not pose a disposal issue under normal use. Dispose of in accordance with local, state, provincial, and federal regulations. See section 13 for more details.



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Section 2 • Hazards Identification

This preparation contains materials that are considered skin irritants in their pure form (see the OSHA Hazard Communication Standard (29 CFR 1910.1200). This product conforms to the Cosmetics Regulations of the Food and Drugs Act as passed by the Parliament of Canada; this MSDS is provided as reference to the hazards of the individual ingredients contained herein.

Emergency Overview: CAUTION: FOR EXTERNAL USE ONLY. Do not allow towel contact with eyes.

Primary route(s) of entry: Skin and Eye contact. Ingestion unlikely.

Potential Acute Health Effects:

Eyes: Irritating to eyes

Skin: This product contains d-limonene, an identified sensitizer and occupational allergen. Repeated exposure may cause skin dryness or cracking.

Inhalation: Not a likely route of exposure.

Ingestion: If swallowed, irritation of the throat or stomach, nausea, vomiting, and diarrhea if swallowed. Towel will cause choking.

Potential Chronic Health Effects:

Carcinogenic Effects: NTP: No IARC: No OSHA: No

Mutagenic Effects: None

Teratogenic Effects: None

Medical conditions aggravated by exposure: Pre-existing skin conditions such as dermatitis and eczema may be adversely affected

Signs and Symptoms

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

Section 3 • Composition / Information on Ingredients

Component	CASRN	Percent by Weight
d-Limonene	5989-27-5	5 - 10%
C12-C15 Ethoxylated Alcohols	68131-39-5	1 - 5%
Sodium Lauryl Sulfate	151-21-3	1 - 5%



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Section 4 • First Aid Measures

- Eyes:** Flush eyes with running water for at least 15 minutes, keeping eyelids open. Get 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:** If inhaled, remove to fresh air. If breathing is difficult, give oxygen and get medical attention. If not breathing, give artificial respiration and get medical attention.
- 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.

Firefighting media: Use carbon dioxide, dry chemical, foam, fog, or water spray.

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: 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 suitable container for disposal. | |
| Evacuation Procedures | Ventilate area of leak or spill. Keep unnecessary and unprotected people away. | |
| Special Procedures | Wear appropriate protective equipment during cleanup. | |



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Section 7 • Handling and Storage

Handling: Do not allow towel contact with eyes. For external use only. Not for use on face. Do not smoke while using. Towel should not be used near fire or open flame.

Storage: Keep container in a cool, well-ventilated area. Store between 32° F and 120° F. Keep out of reach of children.

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 TWA-REL	OSHA STEL	ACGIH-TLV	ACGIH-STEL	OTHER LIMITS
d-Limonene	5989-27-5	Not Established	Not Established	Not Established	Not Established	20 ppm OEL Switzerland MAK 110 mg/m ³ OEL Germany MAK-W
C12-C15 Ethoxylated Alcohols	68131-39-5	Not Established				
Sodium Lauryl Sulfate	151-21-3	Not Established				

*Supplier Recommendation

Engineering Controls: None required under normal conditions.

Personal Protection:

Eyes: None required under normal conditions.

Respiratory: None required under normal conditions.

Hands: If hands become chapped due to frequent use, apply to hands less frequently or discontinue use.

General Hygiene Considerations: Have eye-wash facilities immediately available.



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Section 9 • Physical and Chemical Properties

Appearance:	Saturated Towel	Color:	Clear liquid solution on orange towel
Odor/Taste:	Orange	Vapor Pressure:	Not Established
Solubility Description:	Dispersible	Evaporation Rate:	Not Established
Boiling Point:	100°C(212°F)	Flash Point:	> 100°C (212°F)
Specific Gravity (Water=1):	0.98 – 0.99	Flash Point Method:	PMCC
Vapor Density (air=1):	> 1	Auto Ignition Temperature (°C):	Not Established
V.O.C. Content:	8.0%, 79 g/L	Partition Coefficient (oct/water):	Not Established
Flammable limits (estimated):	Not Established	Viscosity:	Not Established
pH:	Not applicable	Odor threshold	Not Established
Melting Point	Not Established	Volatiles:	8.0%
Decomposition Temperature	Not Determined		

Section 10 – Chemical Stability and Reactivity

Chemical Stability:	Product is stable under recommended storage conditions.
Conditions to Avoid:	Materials that are incompatible with water. Strong oxidizers.
Incompatibility:	Materials incompatible with water. Strong oxidizers.
Hazardous Decomposition:	These products are carbon oxides (CO, CO ₂).
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. Oxidization products of d-limonene are strong allergens. A number of cases of contact allergy from occupational exposures to d-limonene are reported. The frequency of contact allergy to oxidized limonene is 1-2% on consecutive eczema patients. (Source: SCCNFP/0017/98 Final, December 1999, The Scientific Committee on Cosmetic Products and Non-Food Products intended for Consumers)

Component	CASRN	LC-50	LD-50
d-Limonene	5989-27-5	Not Established	>5000 mg/kg/oral/rat* >5000 mg/kg/dermal/rabbit*
C12-C15 Ethoxylated Alcohols	68131-39-5	Not Established	2.5-5g/kg/oral/rat* 2000mg/kg/dermal/rabbit*
Sodium Lauryl Sulfate	151-21-3	>3900 mg/m ³ /1H/rat	1288 mg/kg/oral/rat

*Supplier Data



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Section 12 • Ecological Information

Ecotoxicology:

Effect on Organisms	Component	CASRN	Test	Species	Results
Acute Toxicity on Fishes	d-Limonene	5989-27-5	4-day LD ₅₀	Oncorhynchus mykiss	35,000 µg/L
	C12-C15 Ethoxylated Alcohols	68131-39-5	96h- LC ₅₀	Fathead minnow	0.5 mg/L
Acute Toxicity on Daphnia	C12-C15 Ethoxylated Alcohols	68131-39-5	48h- LC ₅₀	Daphnia pulex	0.76mg/L
Bacterial inhibition	No Data Available				
Growth inhibition of algae					
Bioaccumulation in fish					

Section 13 • Disposal Considerations

Waste Status: This product, as sold, is not an RCRA hazardous waste.

Disposal: Waste must be disposed of in accordance with federal, state, 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.

Section 14 • Transport Information

This item is not regulated under any mode of transportation.



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Section 15 • Regulatory information

U.S. Federal Regulations

FDA Labeling/Ingredients listing: Water, (R)-p-mentha-1,8-diene, C12-C15 Pareth-7, Sodium Lauryl Sulfate, Fragrance, Isopropyl Alcohol, Sorbitol, Isoparaffin, Potassium Sorbate, Hexahydro-1,3,5-Tris(2-hydroxyethyl)-s-Triazine, Propylene Glycol, BHT, and Aloe Barbadensis Leaf Juice (Aloe Vera).

Complies with current FDA regulations for cosmetic products.

RCRA Hazardous Waste No.: None

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:** 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

New Jersey RTK: Refer to FDA Labeling/Ingredients listing.

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 conforms to consumer regulations.

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 is not WHMIS Controlled.

Health Canada Food and Drugs Act, Cosmetic Regulations: This product conforms to the regulations.

Other Regulations

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



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Section 16 • Other Information

MSDS# 19200 Responsible Name: Clea Johnson Regulatory Affairs Coordinator	HMIS 1996		HMIS III		NFPA
	Health:	1	Health:	[/]1	
	Flammability:	1	Flammability:	1	
	Reactivity	0	Physical Hazard:	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.

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