



MATERIAL SAFETY DATA SHEET

LEMON D-FEN Disinfectant Spray

Version Number: 1

Preparation date: 2006-07-24

1. PRODUCT AND COMPANY IDENTIFICATION	
Product name:	LEMON D-FEN Disinfectant Spray
MSDS #:	MS0600131
Product code:	U23055
Recommended use:	Industrial/Institutional. Disinfectant.
Manufacturer, importer, supplier:	Unisource Worldwide, Inc. 6600 Governors Lake Parkway Norcross, GA 30071 Phone: 770-447-9000 MSDS Internet Address: www.unisourcecelink.com
Emergency telephone number:	1-800-535-5053

2. HAZARDS IDENTIFICATION	
EMERGENCY OVERVIEW	
<ul style="list-style-type: none"> • CAUTION • HARMFUL IF ABSORBED THROUGH SKIN • CAUSES EYE IRRITATION • MAY BE MILDLY IRRITATING TO SKIN • PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE ALLERGIC REACTIONS IN SOME INDIVIDUALS 	
Principle routes of exposure:	<ul style="list-style-type: none"> • Eye contact • Skin contact • Inhalation
Eye contact:	• Moderately irritating to the eyes
Skin contact:	<ul style="list-style-type: none"> • May be mildly irritating to skin • Prolonged or repeated skin contact may cause allergic reactions in some individuals
Inhalation:	• None known
Ingestion:	• May cause irritation to mouth, throat and stomach

3. COMPOSITION/INFORMATION ON INGREDIENTS			
HAZARDOUS COMPONENTS			
Ingredient(s)	CAS #	Weight %	
Para-tertiary-amylphenol	80-46-6	<0.1%	
Ortho-phenylphenol	90-43-7	0.1 - 1.5%	
Ethyl alcohol	64-17-5	30 - 50%	
Methanol	67-56-1	1 - 5 %	
Butane	106-97-8	10 - 30%	
Propane	74-98-6	10 - 30%	

HAZARDOUS COMPONENTS			
Ingredient(s)	LD50 Oral - Rat	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Para-tertiary-amylphenol	= 1830 mg/kg	= 2 g/kg	Not available
Ortho-phenylphenol	= 1049 mg/kg	Not available	> 0.949 mg/L (1h)
Ethyl alcohol	= 1501 mg/kg	Not available	= 124.7 mg/L (4h)
Methanol	= 5628 mg/kg	= 15800 mg/kg	= 64000 ppm (4h) = 83.2 mg/L (4h)
Butane	Not available	Not available	= 658 g/m ³ (4h)
Propane	Not available	Not available	Not available

4. FIRST AID MEASURES	
Eye contact:	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes If irritation persists, get medical attention
Skin contact:	<ul style="list-style-type: none"> Take off contaminated clothing Rinse skin immediately with plenty of water for 15-20 minutes If irritation develops get medical attention
Inhalation:	<ul style="list-style-type: none"> No specific first aid measures are required
Ingestion:	<ul style="list-style-type: none"> No specific first aid measures are required If swallowed, give a cupful of water or milk
Aggravated Medical Conditions:	<ul style="list-style-type: none"> None known

5. FIRE-FIGHTING MEASURES					
Suitable extinguishing media:	<ul style="list-style-type: none"> Dry chemical, water spray, foam, carbon dioxide 				
Specific hazards:	<ul style="list-style-type: none"> Aerosol product - Containers may rocket or explode in heat of fire Keep product and empty container away from heat and sources of ignition NFPA 30B Level 2 Aerosol 				
Unusual hazards:	<ul style="list-style-type: none"> None known 				
Specific methods:	<ul style="list-style-type: none"> No special methods required 				
Special protective equipment for firefighters:					
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear					
Extinguishing media which must not be used for safety reasons:					
No information available					
Flammability Limits in Air:	<table border="1"> <tr> <td>Lower</td> <td>1.8</td> <td>Upper</td> <td>9.2</td> </tr> </table>	Lower	1.8	Upper	9.2
Lower	1.8	Upper	9.2		

6. ACCIDENTAL RELEASE MEASURES	
Personal precautions:	<ul style="list-style-type: none"> Use personal protective equipment
Environmental precautions and clean-up methods:	<ul style="list-style-type: none"> Use appropriate containment to avoid environmental contamination Soak up with inert absorbent material Sweep up and shovel into suitable containers for disposal Use a water rinse for final clean-up

7. HANDLING AND STORAGE	
Handling:	<ul style="list-style-type: none"> Avoid contact with skin, eyes and clothing Wash thoroughly after handling
FOR COMMERCIAL AND INDUSTRIAL USE ONLY.	
Storage:	<ul style="list-style-type: none"> Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 degrees C or 120 degrees F. Do not pierce or burn, even after use NFPA 30B Level 2 Aerosol KEEP OUT OF THE REACH OF CHILDREN

8. EXPOSURE CONTROLS / PERSONAL PROTECTION	
Engineering measures to reduce exposure:	
<ul style="list-style-type: none"> No special ventilation requirements General room ventilation is adequate 	
Personal Protective Equipment	
Eye protection:	<ul style="list-style-type: none"> No special requirements under normal use conditions
Hand protection:	<ul style="list-style-type: none"> No special requirements under normal use conditions
Skin and body protection:	<ul style="list-style-type: none"> No special requirements under normal use conditions
Respiratory protection:	<ul style="list-style-type: none"> No special requirements under normal use conditions
Hygiene measures:	<ul style="list-style-type: none"> Handle in accordance with good industrial hygiene and safety practice

Personal protective equipment

None / Aucune / Ninguno

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Ethyl alcohol	64-17-5	1000 ppm (TWA)	1000 ppm (TWA) 1900 mg/m ³ (TWA)	1000 ppm (TWA) 1900 mg/m ³ (TWA)
Methanol	67-56-1	250 ppm (STEL) 200 ppm (TWA)	200 ppm (TWA) 260 mg/m ³ (TWA)	250 ppm (STEL) 310 mg/m ³ (STEL) 260 mg/m ³ (TWA) 200 ppm (TWA)
Butane	106-97-8	1000 ppm (TWA)		
Propane	74-98-6	1000 ppm (TWA)	1000 ppm (TWA) 1800 mg/m ³ (TWA)	

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Aerosol	Appearance:	Aerosol
Color:	Colourless	Odor:	Lemon
Specific gravity:	0.7515	pH:	9.0 - 10.0
Dilution pH:	No information available.	Density:	No information available.
Bulk density:	No information available	Vapor density:	>1
Vapor pressure:	125 @ 130°F	Evaporation Rate	<1
Solubility:	Easily soluble	VOC:	No information available
Viscosity:	No information available		
Solubility in other solvents:			No information available
Partition coefficient (n-octanol/water):			No information available
Boiling point/range:			Not determined
Melting point/range:			Not determined
Flash point:			>54 (°F) >12.2 (°C)
Decomposition temperature:			Not determined
Autoignition temperature:			No information available

10. STABILITY AND REACTIVITY

Stability:	• The product is stable
Polymerization:	• Hazardous polymerization does not occur
Hazardous decomposition products:	• None reasonably foreseeable.
Conditions to avoid:	• Keep away from open flames, hot surfaces and sources of ignition

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Oral LD50 estimated to be greater than 5000 mg/kg Dermal LD50 estimated to be > 2000 mg/kg
Component Information:	• See Section 3
Chronic toxicity:	• Prolonged or repeated skin contact may cause allergic reactions in some individuals
Specific effects	
Carcinogenic effects:	• None known
Mutagenic effects:	• None known
Reproductive toxicity:	• None known
Target organ effects:	• None known

12. ECOLOGICAL INFORMATION

Environmental Information:	• No data available
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13. DISPOSAL CONSIDERATIONS**Waste from residues / unused products:**

- Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility

14. TRANSPORT INFORMATION**DOT/IDG:**

- Please refer to the Bill of Lading/receiving documents for up to date shipping information

15. REGULATORY INFORMATION**International Inventories**

All components of this product are listed on the following inventories: U.S.A. (TSCA).

U.S. Regulations

EPA Reg. No. : 706-69-82440

California Proposition 65: This product contains materials listed under California's Proposition 65.**Ingredient(s)**

Ortho-phenylphenol - 90-43-7

SARA 311/312 Hazard Categories

Immediate:	Y
Delayed:	N
Fire:	Y
Reactivity:	N
Sudden Release of Pressure:	Y

Canada

Ingredient(s)	CAS #	NPRI
Sodium nitrite	7632-00-0	X
Ethyl alcohol	64-17-5	X
Methanol	67-56-1	X
Propane	74-98-6	X

WHMIS hazard class:

Not for sale in Canada.

STATE RIGHT TO KNOW

Ingredient(s)	CAS #	NJRTK:	MARTK:	PARTK:	RIRTK:
Water	7732-18-5	-	-	-	-
Sodium nitrite	7632-00-0	X	X	-	-
Ethyl alcohol	64-17-5	X	X	X	X
Methanol	67-56-1	X	X	-	X
Butane	106-97-8	X	X	X	X
Propane	74-98-6	X	X	X	X

CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Sodium nitrite	7632-00-0	0.1 - 1.5%	100		X
Methanol	67-56-1	1 - 5 %	5000		X

Ingredient(s)	CAA HAP	CAA ODS	CWA Priority Pollutants
Methanol	X		

16. OTHER INFORMATION						
HMIS	Health	2	Fire Hazard	4	Reactivity	0
NFPA	Health:	2	Flammability:	4	Instability:	0
Reason for revision:		Not applicable				
Prepared by:		NAPRAC				
Additional advice:		None				
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