

# MATERIAL SAFETY DATA SHEET (Page 1 of 3)

This form is regard to be in compliance with 29 CFR Part 1910.1200

## SECTION 1: IDENTIFICATION

PRODUCT NAME: Zone 1

Distributor's Name: Dermal Source  
Address: 1017 SW Morrison Street, #210  
City, State, Zip: Portland, Oregon 97205

Chemical Family:  
5% Lidocaine HCL Solution

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## SECTION 2: PHYSICAL DATA

Specific Gravity 25/25:1.01 @ 60/60F Boiling Point: 101 Deg. C  
Vapor Pressure: <1MM HG 270F> Physical State: Liquid Gel  
Odor: None Vapor Density [air = 1]: N/A  
Solubility in Water: SOLUBLE

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## SECTION 3: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Closed Cup F): Deg 400 F  
Extinguishing Media: Water  
Special Fire Fighting Procedures: Protect from heat and flame  
Unusual Fire and Explosion Hazards: Dense Smoke May Be Generated. Carbon Monoxide, Carbon Dioxide, and other oxides may be generated.  
NFPA Flammability Code: 0

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## SECTION 4: REACTIVITY DATA

Stability: Presents no significant reactivity hazard, not pyrophoric nor reactive with water.

Incompatibility (Materials to avoid): AVOID CONTACT WITH OXIDIZERS

Hazardous Combustion of Decomposition Products: Burning liberates CO<sup>2</sup>, CO and smoke. Does not form explosive mixtures with organic materials. Does not undergo explosive decomposition and is shock stable. It is not an oxygen donor.

Hazardous Polymerization: Will not undergo spontaneous exothermic polymerization.

NFPA REACTIVITY CODE: 0

SECTION 5: SPILL OR LEAKAGE PROCEDURES

Cleanup of spills or accidental release of material: Soak up with suitable absorbent.

Waste Disposal Methods: Incineration or sanitary landfill in accordance with local, state or federal regulations and consistent with good ecological practices.

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SECTION 6: SPECIAL PROTECTION INFORMATION

Respiratory: Use NIOSH/MSHA Approved Respirator if TLV is exceeded  
Ventilation: General Mechanical  
Protective Gloves: Volatile Resistant if skin contact is anticipated.  
Eye Protection: Splash proof goggles if handling methods warrant them.

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SECTION 7: EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: In the event of accidental contact with eyes, irrigate with copious amounts of water; if irritation persists, seek medical advice.

Skin Contact: Remove contaminated clothing. Flush exposed areas with copious amounts of mild soap and water. Product is Non-irritating.

Ingestion: May act as laxative. Do not induce vomiting.

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SECTION 8: EXPOSURE DATA

Primary route of exposure: Skin Contact and Possible Inhalation

The approximated vapor pressure of the mixture is sufficiently high enough to be a significant route of exposure.

OSHA PEL: Not Determined

ACGIH TLV: Not Determined

Material is not found on any known list of carcinogens, such as NTP, IARC or by OSHA, nor does it contain carcinogens found in these lists.

SECTION 9: HEALTH HAZARDS

The identity of the individual components of this mixture is proprietary information and is regarded to be a TRADE SECRET.

In accordance with 29 CFR 1910.1200 we have to assume that the mixture presents the same health hazards as the individual components when they are present at greater than 10% concentration.

Listed below are the health hazards for all of the materials present of 10% concentration and that undiluted have health hazards associated with them. Please note that not all the components of the mixture have health hazards associated with them. In the event of a medical emergency the identity of all components will be divulged to a qualified health professional.

The following effects we concluded as a result of laboratory testing on one or more of the individual components; the relevancy to the mixture or to humans is unknown. Excessive exposure may cause similar effects.

REPEATED DAILY DOSES ORALLY CAUSED DAMAGE TO THE NERVOUS SYSTEM.

PROLONGED SKIN CONTACT MAY CAUSE SERIOUS HEALTH EFFECTS.

REPREATED DAILY ORAL DOSING OF LARGE AMOUNTS CAUSED MINIMAL LIVER DAMAGE.

REPEATED DAILY ORAL DOSING OF LARGE AMOUNTS CAUSED MIMIMAL KIDNEY DAMAGE.

SKIN CONTACT AT FULL STRENGTH MAY CAUSE MILD IRRITATION AND ALSO BE AN EYE IRRITANT.

REPEATED ORAL DOSING INCREASED OCULAR TENSION.

REPEATED DAILY APPLICATION TO SKIN CAUSED NO REPRODUCTIVE EFFECTS.

The following effects were concluded as a result of human testing and observation on one or more of the individual components.

LIQUID MAY BE IRRITATION TO SKIN AND EYES.

BOILING VAPOR IS MILDLY IRRITATING TO THE THROAT AND LUNGS.

BREATHING HIGH CONCENTRATIONS OF VAPOR MAY CAUSE MILD ANESTHETIC EFFECTS.

MAY CAUSE MILD DERMATITIS AFTER PROLONGED SKIN CONTACT IN DIRECT SUNLIGHT.

REPEATED CONTACT MAY CAUSE MILD ALLERGIC DERMATITIS.