

D-Lead® Hand Soap

4222ES

Revision Date: 6-April-2015

1. IDENTIFICATION

Product Name D-Lead® Hand Soap  
Other means of identification Product Code: 4222ES  
Recommended Use Skin cleaner

Company

ESCA Tech, Inc.  
3747 North Booth Street  
Milwaukee, WI 53212  
e-mail: cservice@esca-tech.com

Emergency Telephone Number

Company Phone Number: Phone: (414) 962-5323  
Fax: (414) 962-7003  
Emergency Telephone (24 hr): INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

2. HAZARD IDENTIFICATION

GHS Classification

Eye Irritation (R36): Category 2B

GHS Label element

Signal Word: This cosmetic product is exempt from OSHA's GHS labeling requirements. Ref: 1910.1200 (b) (5) (iii).  
Warning  
Hazard Statements: Causes eye irritation (S25).  
Precautionary Statements: Response  
IF IN EYES: Rinse cautiously with water. Remove contact lenses, if present and easy to do. If eye irritation persists: Get medical advice/attention.  
Other Hazards: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

See Product Label for complete ingredient list.

All of the ingredients in this skin cleaner have undergone safety assessment by either the Cosmetic Ingredient Review Board or the European Commission for Cosmetic Ingredients.

4. FIRST AID MEASURES

First Aid Measures

In case of eye contact: Rinse with water.  
In case of skin contact: Rinse with water.  
If inhaled: Get medical attention if symptoms occur.  
If swallowed: Rinse mouth. Get medical attention, if symptoms occur.  
Symptoms: May cause mild eye irritation. Nausea.  
Notes to physician: Treat symptomatically.

See toxicological information (Section 11).

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and surrounding environment.  
Unsuitable extinguishing media: None known.  
Specific hazards during firefighting: Not flammable or combustible.

Hazardous combustion products:	Carbon oxides
Protective equipment and precautions for firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific extinguishing methods:	Collect contaminated fire extinguishing water separately. Fire residues and contaminated extinguishing water must be disposed of in accordance with local regulations. In the event of fire do not breathe fumes.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Ensure clean-up is conducted by trained personnel only. Refer to protective measures, section 7 and 8.
Environmental precautions:	Avoid contact with soil, surface or groundwater.
Methods and material containment and cleaning up:	Stop and prevent further leakage or spillage if safe to do so. Contain spillage and then absorb with non-combustible, absorbent material. Place in appropriate containers for disposal. Dispose of in accordance with federal, state and local regulations.

## 7. HANDLING AND STORAGE

Advice on safe handling:	Dispense with a plastic or stainless steel dispenser. Avoid dispensers with wetted steel parts. Do not take internally. Avoid contact with eyes.
Conditions for safe storage:	Keep out of reach of children. Keep container tightly closed in a dry, cool and well-ventilated place. Store in suitable labeled containers.
Storage temperature:	Storage between 4 - 38 °C (40 – 100 °F), out of direct sunlight and away from extreme heat.
Incompatible materials:	Do not mix with other chemicals or cleaners. Extended contact with iron or steel will cause soap to separate.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:	No exposure limits noted for ingredient(s).
Engineering Controls:	No special requirements.

### Individual protection measures, such as personal protective equipment

Eye/face protection:	Avoid contact with eyes. No protective equipment is needed under normal use conditions.
Skin and body protection:	No protective equipment is needed under normal use conditions.
Respiratory protection:	No protective equipment is needed under normal use conditions.
Hygiene measures:	No specific measures identified.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, red liquid
Color:	Red
Odor:	Honey almond
Odor threshold:	Not determined
pH:	8.0 – 8.5, 100%
Melting point/Freezing point:	Not determined
Boiling point/Boiling range:	100 °C/ 212 °F
Flash point:	Not applicable

## 4222ES

Evaporation rate:	Not established		
Flammability:	Not applicable		
Upper Flammability Limits:	Not applicable		
Lower Flammability Limits:	Not applicable		
Vapor pressure:	Not established		
Vapor density:	>1 (same as water)	(Air = 1)	
Specific gravity:	1.018 – 1.028	(Water = 1)	
Water solubility:	Completely soluble		
Solubility in other solvents:	Not determined		
Partition coefficient:	Not determined	Decomposition temperature:	Not determined
Auto-ignition temperature:	Not determined	Kinematic viscosity:	Not determined
Dynamic viscosity:	Not determined	Explosive properties:	Not determined
Oxidizing properties:	Not determined	VOC content:	Not determined

**10. STABILITY AND REACTIVITY**

Reactivity:	Not reactive under normal conditions.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	None under normal processing.
Hazardous polymerization:	Hazardous polymerization does not occur
Incompatible materials:	Do not mix with other chemicals or cleaners. Extended contact with iron or steel will cause soap to separate.
Hazardous decomposition products:	Not determined.

**11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure: Eye contact, skin contact, inhalation.

**Potential Health Effects**

Eyes:	Causes eye irritation.
Skin:	Health injuries are not expected under normal use.
Ingestion:	Health injuries are not expected under normal use.
Inhalation:	Health injuries are not expected under normal use.

**Product****Experience with human exposure**

Eye contact:	Redness, irritation
Skin contact:	Slight irritation may occur.
Ingestion:	May cause nausea.
Inhalation:	No symptoms are expected.

**Toxicity**

Acute oral toxicity:	Numeric measures of toxicity: Not determined.
Acute dermal toxicity:	Not determined.
Acute inhalation toxicity:	Not determined.
Sensitization:	May cause allergic skin reaction in some individuals
Carcinogenicity:	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

## Ingredients Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Chloride 7647-14-5	= 3,000 mg/kg (Rat)	>10,000 mg/kg (Rabbit)	> 42,000 mg/m <sup>3</sup> (Rat) 1 h
Pentasodium Aminotrimethylene Phosphonate 2235-43-0	= 17,800 mg/kg (Rat)	> 17,800 mg/kg (Rabbit)	-
Propylene Glycol 57-55-6	= 20,000 mg/kg (Rat)	=20,800 mg/kg (Rabbit)	-
Cocamidopropyl betaine 61789-40-0	= 4,900 mg/kg (Rat)	-	-
Chloroxylonol 88-04-0	= 3,830 mg/kg (Rat)	-	-

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Environmental effects: Harmful to aquatic life.

### Product

Toxicity to fish: No data available.

Toxicity to daphnia and other aquatic invertebrates: No data available.

Toxicity to algae: No data available.

### Ingredients

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium Chloride 7647-14-5		5,560 – 6,080: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 12,946: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 6,020 -7,070; 96 h <i>Pimephales promelas</i> mg/L LC50 static 7,050: 96h <i>Pimephales promelas</i> mg/L LC50 semi-static 6,420 – 6,700: 96 h <i>Pimephales promelas</i> mg/L LC50 static 4,747 – 7,824: 96h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through		1,000: 48 h <i>Daphnia magna</i> mg/L EC50 340.7 – 469.2: 48 h <i>Daphnia magna</i> mg/L EC50 static
Propylene Glycol 57-55-6	19,000: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50	51,600: 96h <i>Oncorhynchus mykiss</i> mg/L LC50 static 41 – 47: 96 h <i>Oncorhynchus mykiss</i> mL/L LC50 static 51,400: 96 h <i>Pimephales promelas</i> mg/L LC50 static 710: 96 h <i>Pimephales promelas</i> mg/L LC50		10,000: 24 h <i>Daphnia magna</i> mg/L EC50 1,000: 48 h <i>Daphnia magna</i> mg/L EC50 static
Cocamidopropyl betaine 61789-40-0	1.0– 10.0: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 0.55: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50	1.0– 10.0: 96 h <i>Brachydanio rerio</i> mg/L LC50 2: 96 h <i>Brachydanio rerio</i> mg/L LC50 semi-static		6.5: 48 h <i>Daphnia magna</i> mg/L EC50
Chloroxylonol 88-04-0		0.13 – 1.0: 96h <i>Oncorhynchus mykiss</i> mg/L LC50 static 1.3 – 2.1: 96h <i>Lepomis macrochirus</i> mg/L LC50 static	EC50 = 1.6 mg/L 5 min	6.7 - 9: 48 h <i>Daphnia magna</i> mg/L EC50 static

4222ES

Persistence/Degradability:	Not determined.
Bioaccumulation:	Not determined.
Mobility:	Not determined.
Other Adverse Effects:	Not determined.

**13. DISPOSAL CONSIDERATION****Waste Treatment Methods**

<b>Disposal of Wastes:</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging:</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

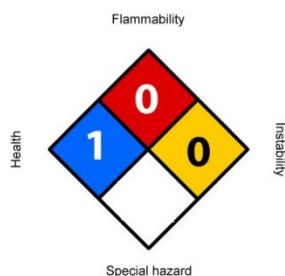
**14. TRANSPORT INFORMATION**

<b><u>Note</u></b>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<b>D.O.T.:</b>	Not regulated.
<b>IATA.:</b>	Not regulated.
<b>IMDG:</b>	Not regulated.

**15. REGULATORY INFORMATION****US Federal Regulations**

RCRA (Lists of Hazardous Wastes, 40 CFR 261 Subpart D):	NA
CLEAN AIR ACT (SEC. 112. Hazardous Air Pollutants):	NA
CLEAN WATER ACT (RQ, 40 CFR):	NA
SARA Title III:	
Section 302 -304, 40 CFR 355:	Components present in this product at a level which could require reporting are: none.
Section 311 - 312:	Components present in this product at a level which could require reporting are: none.
Section 313:	NA
TSCA Section 8(b) Inventory Status:	All ingredients are listed on TSCA Inventory of Chemical Substances or exempt from TSCA Inventory requirements.
Canada DSL:	All ingredients are listed on the Canada Domestic Substances List.
AICS Inventory Status:	All ingredients are listed on the Australia Inventory of Chemical Substances.
76/768EEC Cosmetics Directive:	All ingredients are listed.
REACH:	Exempt cosmetic skin cleaner.

This product is not subject to the reporting requirements under California's Proposition 65.

**Legend***AICS – Australian Inventory of Chemical Substances**D.O.T. – Department of Transportation (US)**DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List**EU – European Union**FDA – Food and Drug Administration (US)**IARC – International Agency for Research on Cancer**IATA - International Air Transport Association**IMDG- International Maritime Dangerous Goods**NTP – National Toxicology Program (US)**OSHA - Occupational Safety and Health Administration (US)**REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals (EU)**SARA - Superfund Amendments and Reauthorization Act (US)**TSCA – United States Toxic Substances Control Act Section 8(b) Inventory***16. OTHER INFORMATION****NFPA:**

0 = not significant  
1 = slight  
2 = moderate

**HMIS III**

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PROTECTIVE EQUIPMENT	

3 = high  
4 = extreme  
\* = chronic

**Revisions:**

Issue Date: 24-Jan-1991

Revision Date: 6-April-2015

Revision number: R14

Revision note: New format

**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 is given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and it 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 any process, unless specified in the text.