

D-Lead® Hand Soap

4222ES

Revision Date: 28-June-2016

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

Causes eye Irritation Category 2B

GHS Label element

This cosmetic product is exempt from OSHA's GHS labeling requirements. Ref: 1910.1200 (b) (5) (iii).

Signal Word: Warning

Hazard Statements: Causes eye irritation.

Precautionary Statements: **Prevention**
 Avoid contact with eyes.

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a doctor if you feel unwell. IF INHALED: Remove person to fresh air.

Other Hazards: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

See Product Label for complete ingredient list.

4. FIRST AID MEASURES

First Aid Measures

In case of eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do and continue rinsing. If eye irritation persists: Get medical attention.

In case of skin contact: Wash with plenty of water. If skin irritation occurs: Get medical advice. Take off contaminated clothing and wash it before reuse.

If swallowed: Rinse mouth. Drink 2 – 3 large glasses of water. Do not induce vomiting. Call a doctor if you feel unwell.

If inhaled: Does not generate vapors at room temperature. Remove person to fresh air.

Symptoms: Causes eye irritation. Ingestion may cause irritation to stomach and 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 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 metal parts, except stainless steel. Heat buildup may cause product to cloud and separate irreversibly. Avoid contact with eyes. Do NOT take internally.
Conditions for safe storage:	Keep out of reach of children except under adult supervision. Keep container tightly closed in a cool, dry and well-ventilated place. Store in suitable labeled containers.
Storage temperature:	Storage between 40 – 100 °F (4 - 38 °C), 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:	Not needed under normal use conditions.
Respiratory protection:	Not needed under normal use conditions.
Hygiene measures:	No specific measures identified.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, red liquid
Color:	Red

4222ES

Odor:	Honey almond	
Odor threshold:	Not determined	
pH:	8.0 – 8.5, undiluted	
Melting point/Freezing point:	Not determined	
Boiling point/Boiling range:	100 °C/212 °F	
Flash point:	Not applicable	
Evaporation rate:	Not established	
Flammability (solid, gas)::	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	
Auto-ignition temperature:	Not determined	
Density:	8.49 – 8.57 lbs/gal	
Decomposition temperature:	Not determined	
Viscosity:	1,800 – 2,500 cP	

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:

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 ³ (Rat) 1 h
Pentasodium Aminotrimethylene Phosphonate 2235-43-0	= 17,800 mg/kg (Rat)	> 15,800 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)	-	--
Chloroxylenol 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 Desmodemus subspicatus mg/L EC50 0.55: 96 h Desmodemus subspicatus mg/L EC50	1.0– 10.0: 96 h Brachydanio rerio mg/L LC50 2: 96 h Brachydanio rerio mg/L LC50 semi-static		6.5: 48 h Daphnia magna mg/L EC50
Chloroxynol 88-04-0		0.13 – 1.0: 96h Oncorhynchus mykiss mg/L LC50 static 1.3 – 2.1: 96h Lepomis macrochirus mg/L LC50 static	EC50 = 1.6 mg/L 5 min	6.7 - 9: 48 h Daphnia magna mg/L EC50 static

Persistence/Degradability: Not determined.
 Bioaccumulative potential: Not determined.
 Mobility in soil: Not determined.
 Other Adverse Effects: Not determined.

13. DISPOSAL CONSIDERATION

Waste Treatment Methods

Disposal of Wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations.
Packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

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

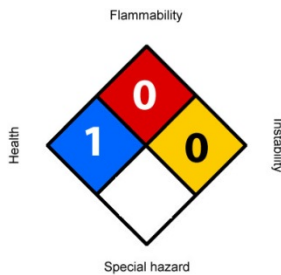
This product does not contain any Proposition 65 chemicals.

Legend

- AICS – Australian Inventory of Chemical Substances*
- ACGIH - American Conference of Governmental Industrial Hygienists*
- 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*
- NIOSH - National Institute for Occupational Safety and Health*
- NTP – National Toxicology Program (US)*
- OSHA - Occupational Safety and Health Administration (US)*
- REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals (EU)*
- RCRA - Resource Conservation and Recovery Act*
- SARA - Superfund Amendments and Reauthorization Act (US)*
- TSCA – United States Toxic Substances Control Act Section 8(b) Inventory*

16. OTHER INFORMATION

NFPA:



HMIS III



0 = not significant
 1 = slight
 2 = moderate

3 = high
 4 = extreme
 * = chronic

Revisions:

Issue Date:	24-Jan-1991
Revision Date:	28-June-2016
Revision number:	R15
Revision note:	New format. Section 2: Added "Prevention" ; Section 4: Added more information to first aid; Section 9: Added "Viscosity".

Disclaimer "

The information provided in this Safety Date 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.