

D-Lead® Respirator and Laundry Detergent

3235ES

Revision Date: 8-March-2016

1. IDENTIFICATION

Product Name: D-Lead® Respirator and Laundry Detergent

Other means of identification: Product Code: 3235ES

Recommended Use: Respirator cleaner, laundry detergent

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 damage/Irritation: Category 2B
 Skin corrosion/Irritation: Category 2
 Acute toxicity - oral: Category 4

GHS Label element

Signal Word: Warning

Hazard Statements: Causes eye irritation.
 Causes skin irritation.
 Harmful if swallowed.



Precautionary Statements:

Prevention

Avoid contact with eyes. Wear protective gloves, chemical safety goggles if splashing is anticipated. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

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. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical attention.

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

| Chemical Name | CAS Number | Weight % |
|--------------------------------|------------|----------|
| Sodium Tetraborate Decahydrate | 1303-96-4 | < 3 |
| Potassium Hydroxide | 1310-58-3 | <2 |
| Cocamidopropyl Betaine | 61789-40-0 | <0.2 |

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. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical attention. |
| If inhaled: | Does not generate vapors at normal temperature. Remove to fresh air. If symptoms occur: Get medical attention. |
| If swallowed: | Rinse mouth. Do NOT induce vomiting. Call a doctor if you feel unwell. |
| Symptoms: | May cause painful stinging of eyes and lids, watering of eyes. Prolonged contact with skin may cause severe skin irritation or mild burn. Irritation and burns to mouth, throat and stomach. May cause nausea, dizziness or fatigue. |
| 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 steel parts except stainless steel. Use personal protection recommended in Section 8. Wash thoroughly after handling. Avoid contact with eyes. Do NOT take internally. Heat buildup may cause product to cloud and separate irreversibly.

Conditions for safe storage: Keep out of reach of children. 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|----------|------------------------------|
| Sodium Tetraborate Decahydrate 1303-96-4 | TWA: 2 mg/m ³ (inhalable) | | TWA: 5 mg/m ³ |
| Potassium Hydroxide 1310-58-3 | Ceiling: 2 mg/m ³ | | Ceiling: 2 mg/m ³ |

Engineering Controls: Eyewash stations, showers.

Individual protection measures, such as personal protective equipment

Eye/face protection: Avoid contact with eyes. Wear protective gloves, chemical safety goggles if splash hazard exists.

Skin and body protection: Wear protective gloves.

Respiratory protection: No protective equipment is needed under normal use conditions.

Hygiene measures: Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid

Color: Blue

Odor: Bubble Gum

Odor threshold: Not determined

pH: 11.0 – 11.9, 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: 1.050 – 1.060 (Water = 1)

Water solubility: Completely soluble

Solubility in other solvents: Not determined
Partition coefficient: Not determined
Auto-ignition temperature: Not determined
Density: 8.76 lbs/gal
Decomposition temperature: Not determined
Viscosity: 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.
Hazardous decomposition products: Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Product

Potential Health Effects

Eyes: Irritating to eyes.
Skin: May cause skin irritation with prolonged contact.
Ingestion: Do not taste or swallow.
Inhalation: Health injuries are not expected under normal use.

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 Tetraborate Decahydrate 1303-96-4 | = 3,493 mg/kg (Rat) | >10,000 mg/kg(Rabbit) | 2,000 mg/m ³ |
| Potassium Hydroxide 1310-58-3 | = 284 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 |
|-------------------------------------|---|--|----------------------------|---|
| Cocamidopropyl betaine 61789-40- | 1.0– 10.0: 72 h Desmodesmus subspicatus mg/L EC50 0.55: 96 h Desmodesmus 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 |
| Potassium Hydroxide 1310-58-3 | | 80: 96 h Gambusia affinis mg/L LC50 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): Potassium Hydroxide: 1,000 lbs (454 kg)

CLEAN WATER ACT (RQ, 40 CFR): Potassium Hydroxide: 1,000 lbs (454 kg)

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.

State List:

Sodium Tetraborate – NJ, PA
Potassium Hydroxide – CA, FL, MA, NJ, PA

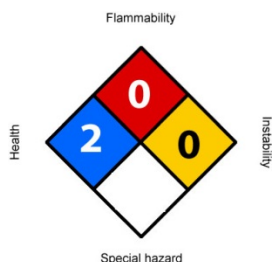
This product does not contain any Proposition 65 chemicals.

Legend

- AICS – Australian Inventory of Chemical Substances
- ACGIH - American Conference of Governmental Industrial Hygienists
- D.O.T. – Department of Transportation (US)
- DSL/NDL – Canadian Domestic Substances List/Non-Domestic Substances List
- EU – European Union
- 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: 20-March-1991
Revision Date: 08-March-2016
Revision number: R9
Revision note: New format. Rev 9: updated Section 2, 4.

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.