

Dirty Labs

Bio Laundry Detergent – Signature with Phytolase®

SAFETY DATA SHEET

1. SECTION 1: CHEMICAL/MIXTURE IDENTIFICATION

| | |
|--|---|
| 1.1 Product identifier | |
| Product Name | Bio Laundry Detergent – Signature with Phytolase® |
| CAS No. | Mixture |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against | |
| Identified use(s) | Liquid laundry detergent |
| Uses advised against | None known |
| 1.3 Details of the supplier of the product | |
| Company Identification | Dirty Labs Inc. 7464 E Tierra Buena Lane, Ste 205 Scottsdale, Arizona 85260 (888) 783 4789 |
| Telephone | |
| 1.4 Emergency Telephone Number | 1(800) 255 3924 (ChemTel) 24-7 Health Emergency |
| 1.5 Contact E-mail | Help@dirtylabs.com |

2. SECTION 2: HAZARDS IDENTIFICATION

"Consumer Products", defined by the US Consumer Product Safety Act and are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided to assist in the safe handling and proper use of the product.

2.1 Classification of the substance or mixture

GHS 29 CFR 1910.1200

Acute toxicity oral Category 5
Skin Corrosion/Irritation Category 2
Eye damage/Irritation Category 2B

2.2 Label elements

Hazard pictogram(s)



Signal word(s)

Hazard statement(s)

Precautionary statement(s)

Warning

May be harmful if swallowed

Causes skin irritation

Causes eye irritation

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 SWALLOWED: Drink plenty of water. Call poison control if person feels unwell.

IF ON SKIN: Rinse with plenty of water

If skin irritation occurs, get medical attention

2.3 Other hazards None.

2.4 Additional Information None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

29 CFR 1910.1200

| Ingredient(s) | %W/W | CAS No. |
|--|----------|--------------|
| Lauryl glucoside | 30-40 | 110615-47-9 |
| Water | 5-25 | 7732-18-5 |
| Caprylyl/Capryl glucoside | 10-20 | 68515-73-1 |
| Glycerine | 2-8 | 56-81-5 |
| Capryloyl/Caproyl methyl glucamide | 3-6 | 1591782-62-5 |
| Coconut fatty acid | 3-6 | 61788-47-4 |
| Fragrance blend: (Ingredients may include those found at http://www.ifraorg.org/) | 1.5-3 | |
| • ETHYL LINALOOL | | 10339-55-6 |
| • 2H-pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl) | | 63500-71-0 |
| • LINALYL ACETATE | | 115-95-7 |
| • PHENYL ETHYL ALCOHOL | | 60-12-8 |
| • TRIMOFIX | | 144020-22-4 |
| • TERPINEOL | | 8000-41-7 |
| • CIS JASMONE | | 488-10-8 |
| • 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone | | 54464-57-2 |
| Protease (Subtilisin) (aep) | 1-2 | 9014-01-1 |
| Sodium citrate | 1-2 | 6132-04-3 |
| Potassium hydroxide | 1-2 | 1310-58-3 |
| Propanediol | 0.25-1 | 504-63-2 |
| Alpha-Amylase (aep) | 0.25-1 | 9000-90-2 |
| Cellulase (aep) | 0.25-1 | 9012-54-8 |
| Mannanase | 0.1-0.5 | 37288-54-3 |
| Pectate lyase | 0.1-0.5 | 9032-75-1 |
| Sodium hydroxide | 0.01-0.2 | 1310-73-2 |
| Propylene glycol | 0.01-0.2 | 57-55-6 |

3.2 Additional Information

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, seek medical advice.

Skin Contact

Wash with plenty of soap and water. If irritation develops, seek medical advice.

Eye Contact

Flush eyes with water for at least 15 minutes while holding eyelids open. If irritation develops, seek medical advice.

Ingestion

Give plenty of water to drink. Do NOT induce vomiting. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary, treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

| | |
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| 5.1 Extinguishing Media | |
| Suitable Extinguishing Media | Water spray, foam, dry powder or CO2. |
| Unsuitable Extinguishing Media | None known. |
| 5.2 Special hazards arising from the substance or mixture | None anticipated. |
| 5.3 Advice for fire-fighters | Fire fighters should wear complete protective clothing including self-contained breathing apparatus. |

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

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| 6.1 Personal precautions, protective equipment and emergency procedures | Caution - spillages may be slippery. Ensure adequate ventilation. Wear personal protective equipment. |
| 6.2 Environmental precautions | Do not release large quantities into the surface water or into drains. |
| 6.3 Methods and material for containment and cleaning up | |
| Household Handling | Small spills and leaks may be cleaned up and disposed of in household trash or diluted and disposed of down drain. |
| Industrial Handling | Stop spill at source and contain material. Adsorb spillages onto sand, earth or any suitable adsorbent material. Dispose of liquid and adsorbent material in accordance with all applicable local, state, and federal regulations. Small amounts may be flushed to a sewer. |
| 6.4 Reference to other sections | See Also Section: 8, 13. |

7. SECTION 7: HANDLING AND STORAGE

General hygiene measures for the handling of chemicals are applicable.

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| 7.1 Precautions for safe handling | |
| Household Handling | Use as directed on product label. Wash hands and exposed skin after use. |
| Industrial Handling | Wear suitable personal protective equipment. Wash hands and exposed skin after use. |
| 7.2 Conditions for safe storage, including any incompatibilities | KEEP OUT OF REACH OF CHILDREN AND PETS. Store in original container in a cool, dry location and keep container closed after use. |
| Storage Temperature | Ambient. |
| Storage Life | Stable under normal conditions. |
| Incompatible materials | None know. |
| 7.3 Specific end use(s) | Liquid laundry detergent. |

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|---|---|
| 8.1 Control parameters | |
| 8.1.1 Occupational Exposure Limits | Not established. |
| 8.1.2 Biological limit value | Not established. |
| 8.1.3 PNECs and DNELs | Not established. |
| 8.2 Exposure controls | |
| 8.2.1 Appropriate engineering controls | Provide adequate ventilation. |
| 8.2.2 Personal protection equipment | |
| Household Handling | No special precautions necessary as long as product is used as directed. |
| Industrial Handling | |
| Eye/face protection | Wear protective eye glasses for protection against liquid splashes or solid spills. |
| Skin protection (Hand protection/ Other) | Wear suitable gloves if prolonged skin contact is likely. Wear impervious gloves (EN374). |

Respiratory protection

Normally no personal respiratory protection is necessary under general ventilation. Wear respiratory protection in case of inadequate ventilation, when handling powder, dust or mist.

Thermal hazards

Not applicable.

8.2.3 Environmental Exposure Controls

Do not release large quantities into the surface water or into drains.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|------------------------------|-------------------------------|
| Appearance | Viscous liquid. |
| Color | Yellow/off-yellow. |
| Odor | Fragranced (Signature scent). |
| Odor Threshold | Not established. |
| pH (1% solution) | 7-9 |
| Melting Point/Freezing Point | Not applicable. |
| Solubility | Soluble in water. |
| Decomposition Temperature | No information available. |

9.2 Other information

None.

10. SECTION 10: STABILITY AND REACTIVITY

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|---|--|
| 10.1 Reactivity | Stable under normal conditions. |
| 10.2 Chemical stability | Stable under normal conditions. |
| 10.3 Possibility of hazardous reactions | No hazardous reactions known if used for its intended purpose. |
| 10.4 Conditions to avoid | No conditions to avoid known. |
| 10.5 Incompatible materials | Strong oxidizers or reducing agents, strong acids or strong bases. |
| 10.6 Hazardous Decomposition Product(s) | No hazardous decomposition products known. |

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

| Ingredient(s) | CAS No. | Oral LD 50 (Rat) | Dermal LD 50 | Inhalation LC 50 (Rat) |
|---------------------|-----------|------------------|----------------------|-----------------------------|
| Glycerine | 56-81-5 | 12,600 mg/kg | Not listed | 570 mg/m ³ – 1 h |
| Potassium hydroxide | 1310-58-3 | 284 mg/kg | Not listed | Not listed |
| Sodium citrate | 6132-04-3 | 5,400 mg/kg | >2,000 mg/kg (mouse) | Not listed |
| 1,3 Propanediol | 504-63-2 | 20,000 mg/kg | Not listed | Not listed |

Acute toxicity

May be harmful if swallowed.

Irritation

Irritating to skin and eyes.

Corrosivity

None anticipated.

Sensitisation

None anticipated.

11.2 Other information

None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Aquatic toxicity

| Ingredient(s) | CAS No. | Fish (LC50) | Daphnia (EC50) |
|---------------------|-----------|---|--|
| Potassium hydroxide | 1310-58-3 | 80 mg/L – 96 h (Gambusia affinis) | Not listed |
| Sodium citrate | 6132-04-3 | 18,000 – 32,000 mg/L – 96 h (Poecilia reticulata) | 5,600 – 10,000 mg/L – 48 h (Daphnia magna) |
| 1,3 Propanediol | 504-63-2 | 52,930 mg/L – 96 h (fathead minnow) | 13,020 mg/L – 48 h |

| | | |
|------|---|--|
| 12.2 | Persistence and degradability | This product is biodegradable based on ingredients. |
| 12.3 | Bioaccumulative potential | No known significant effects or critical hazards based on ingredients. |
| 12.4 | Mobility in soil | No information available |
| 12.5 | Results of PBT and VPVB assessment | Not classified as PBT or vPvB. |
| 12.6 | Other adverse effects | None known. |

13. SECTION 13: DISPOSAL CONSIDERATIONS

| | | |
|------|--------------------------------|---|
| 13.1 | Waste treatment methods | Use appropriate tools to put the spilled substance in a convenient waste disposal container. Finish cleaning by spreading soap and water on the contaminated surface. |
| 13.2 | Additional Information | Disposal should be in accordance with local, state or national legislation. |

14. SECTION 14: TRANSPORT INFORMATION

Not regulated as dangerous goods or hazardous material for transport in accordance with US DOT Regulations.

| | | |
|------|--|------------------------------------|
| 14.1 | UN number | Not regulated as a dangerous good. |
| 14.2 | UN Proper Shipping Name | Not regulated as a dangerous good. |
| 14.3 | Transport hazard class(es) | Not regulated as a dangerous good. |
| 14.4 | Packing Group | Not regulated as a dangerous good. |
| 14.5 | Environmental hazards | |
| 14.6 | Special precautions for user | |
| 14.7 | Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | |

15. SECTION 15: REGULATORY INFORMATION

| | | |
|------|---|--|
| 15.1 | Safety, health and environmental regulations/legislation specific for the substance or mixture | |
| | Toxic Substance Control Act (TSCA) | This product complies with the inventory requirements of the US Toxic Substance Control Act (TSCA) |
| | California Prop 65 | This product is not subject to the labelling requirements of California's Proposition 65. |
| | California Air Resources Board (CARB) | Not applicable |
| | Component Information | Dirty Labs Inc. discloses all intentionally added ingredients (Section 3). Fragrances used in this product comply with applicable International Fragrance Association (IFRA) guidance. |
| 15.2 | GHS | Created in accordance with the CPSC's implementation of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). |

16. SECTION 16: OTHER INFORMATION

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labelling requirements of the CPSC and, as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

LEGEND

| | |
|------|--|
| DNEL | Derived No Effect Level |
| PNEC | Predicted No Effect Concentration |
| PBT | Persistent, Bioaccumulative and Toxic |
| vPvB | very Persistent and very Bioaccumulative |

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Dirty Labs Inc. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Dirty Labs Inc. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.