Dirty Labs

Bio Laundry Detergent – Free & Clear with Phytolase™

SAFETY DATA SHEET

1. SECTION 1: CHEMICAL/MIXTURE IDENTIFICATION

1.1 Product identifier
   Product Name: Bio Laundry Detergent – Free & Clear with Phytolase™
   CAS No.

1.2 Relevant identified uses of the substance or mixture and uses advised against
   Identified use(s): 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
   Telephone: (888) 783 4789

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)
   Warning
   May be harmful if swallowed
   Causes skin irritation
   Causes eye irritation

   Hazard statement(s)
   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

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>%W/W</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>5-50</td>
<td>7732-18-5</td>
</tr>
<tr>
<td>Caprylyl/Decyl glucoside</td>
<td>5-25</td>
<td>68851-73-1</td>
</tr>
<tr>
<td>Lauryl/Myristyl glucoside</td>
<td>5-25</td>
<td>110615-47-9</td>
</tr>
<tr>
<td>Coconut fatty acid</td>
<td>2-15</td>
<td>61788-47-4</td>
</tr>
<tr>
<td>n-Methyl-Alkyl glucamide</td>
<td>1-15</td>
<td>1591782-62-5</td>
</tr>
<tr>
<td>1,3 Propanediol</td>
<td>2-15</td>
<td>504-63-2</td>
</tr>
<tr>
<td>Sodium citrate</td>
<td>1-7</td>
<td>6132-04-3</td>
</tr>
<tr>
<td>Glycerine</td>
<td>1-7</td>
<td>56-81-5</td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>&lt;3</td>
<td>1310-58-3</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>&lt;1</td>
<td>1310-73-2</td>
</tr>
<tr>
<td>Protease (Subtilisin) (aep)</td>
<td>&lt;3</td>
<td>9014-01-1</td>
</tr>
<tr>
<td>Alpha-Amylase (aep)</td>
<td>&lt;3</td>
<td>9000-90-2</td>
</tr>
<tr>
<td>Cellulase (aep)</td>
<td>&lt;3</td>
<td>9012-54-8</td>
</tr>
<tr>
<td>Mannanases (aep)</td>
<td>&lt;3</td>
<td>37288-54-3</td>
</tr>
<tr>
<td>Pectate lyase (aep)</td>
<td>&lt;3</td>
<td>9015-75-2</td>
</tr>
</tbody>
</table>

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

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

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.

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
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
Un-fragranced.
10. SECTION 10: STABILITY AND REACTIVITY

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

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS No.</th>
<th>Oral LD 50 (Rat)</th>
<th>Dermal LD 50</th>
<th>Inhalation LC 50 (Rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3 Propanediol</td>
<td>504-63-2</td>
<td>20,000 mg/kg</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>Sodium citrate</td>
<td>6132-04-3</td>
<td>5,4000 mg/kg</td>
<td>&gt;2,000 mg/kg (mouse)</td>
<td>Not listed</td>
</tr>
<tr>
<td>Glycerine</td>
<td>56-81-5</td>
<td>12,600 mg/kg</td>
<td>Not listed</td>
<td>570 mg/m³ – 1 h</td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>1310-58-3</td>
<td>284 mg/kg</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>4090 mg/kg</td>
<td>500 mg/kg (rabbit)</td>
<td>2300 mg/m³ – 2 h</td>
</tr>
</tbody>
</table>

Acute toxicity
May be harmful if swallowed.

Irritation
Irritating to skin and eyes.

Corrosivity
Irritating to skin and eyes.

Sensitisation
None anticipated.

11.2 Other information
None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Aquatic toxicity

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

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 for transport in accordance with US DOT Regulations.

14.1 UN number
Not applicable.

14.2 UN Proper Shipping Name
Not applicable.

14.3 Transport hazard class(es)
Not applicable.

14.4 Packing Group
Not applicable.

14.5 Environmental hazards
Not applicable.

14.6 Special precautions for user
Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

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**

<table>
<thead>
<tr>
<th>Term</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNEL</td>
<td>Derived No Effect Level</td>
</tr>
<tr>
<td>PNEC</td>
<td>Predicted No Effect Concentration</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent, Bioaccumulative and Toxic</td>
</tr>
<tr>
<td>vPvB</td>
<td>very Persistent and very Bioaccumulative</td>
</tr>
</tbody>
</table>

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