

Dirty Labs

2-in-1 Bio Enzyme Dishwasher Detergent & Booster – Aestival with Phytolase®

SAFETY DATA SHEET

1. SECTION 1: CHEMICAL/MIXTURE IDENTIFICATION

1.1 Product identifier	
Product Name	Dirty Labs 2-in-1 Bio Enzyme Dishwashing Detergent & Booster – Aestival with Phytolase®
CAS No.	Mixture
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	Use in automatic dish washer as detergent and/or detergent booster.
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 3
2.2 Label elements	
Hazard pictogram(s)	None
Signal word(s)	Warning
Hazard statement(s)	May be harmful if swallowed Causes minor skin irritation
Precautionary 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.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

29 CFR 1910.1200

Ingredient(s)	%W/W	CAS No.
Sodium citrate	30-40	6132-04-3
Sodium carbonate	20-30	497-19-8
Sodium carbonate peroxide	15-25	15630-89-4
Sodium gluconate	3-6	527-07-1
Protease (Subtilisin) (aep)	3-6	9014-01-1
Sorbitan caprylate	3-6	60177-36-8
Hydrous sodium silicate powder	3-6	1344-09-8
Sodium carboxymethyl inulin	1.5-2.5	430439-54-6
Alpha-amylase (aep)	1.0-2.0	9000-90-2
Fragrance Blend (Aestival)	0.5-1.0	
• Dipropylene glycol		25265-71-8
• Methyl dihydrojasmonate		24851-98-7
• Ethylene brassylate		105-95-3
• Dimethylcyclohexylethoxy		18479-58-8
• 1-(2,2,6-Trimethylcyclohexyl)-3-hexanol		70788-30-6
• 3,7-Dimethyl-1,6-nonadien-3-ol		10339-55-6
• Cis-p-Menthan-7-ol		13828-37-0
• 2-(1-(3',3'-Dimethyl-1'-cyclohexyl)ethoxy)-2-methyl propyl propanoate		141773-73-1
• Phenylethyl alcohol		60-12-8
• Allyl heptanoate		142-19-8
• Methyl-a-ionone		127-42-4
• Linalyl acetate		115-95-7
• 8-alpha,12-Oxido-13,14,15,16-tetranorlabdane		6790-58-5
• 2-tert-Butylcyclohexyl acetate		88-41-5
• Tetrahydro-2-isobutyl-4-methyl-pyran-4-ol		43500-71-0
• 3-Methylcyclopentadecenone		82356-51-2
Calcium silicate	0.05-0.2	1344-95-2
Silicon dioxide	0.05-0.2	112926-00-8

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	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)	Use in automatic dish washer as detergent and/or detergent booster.

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
8.2.3 Environmental Exposure Controls

Not applicable.
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	Granular powder.
Color	White.
Odor	Fragranced (Aestival).
Odor Threshold	Not established.
pH (1% solution)	9-11
Solubility	Soluble in water.
Decomposition Temperature	No information available.

9.2 Other information

None.

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

Ingredient(s)	CAS No.	Oral LD 50 (Rat)	Dermal LD 50	Inhalation LC 50 (Rat)
Sodium carbonate	497-19-8	4090 mg/kg	2210 mg/kg	2300 mg/L
Sodium carbonate peroxide	15630-89-4	2400 mg/kg	Not listed	Not listed

Acute toxicity

May be harmful if swallowed.

Irritation

Causes mild skin irritation.

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 LC 50 (96h)	Daphnia EC 50 (48h)
Sodium carbonate	497-19-8	300 mg/L (L. macrochius)	265 mg/L
Sodium carbonate peroxide	15630-89-4	70.7 mg/L (Pimephales promelas)	4.9 mg/L (Daphnia pulex)

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

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|-------------------------------------|---|
| 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.

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|---|------------------------------------|
| 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

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| 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) Component Information | Not applicable
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.