

Revision Date 06/01/2015

SDS REVISION NUMBER: 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name LIBERTY L-668 BACTERIA CULTURE

Other means of identification

Product codes D4668-0000-000

Synonyms NONE

Recommended use of the chemical and restrictions on use

Recommended Use Industrial Waste Water Treatment

Uses advised against No information available.

Details of the supplier of the safety data sheet

Manufacturer Address

Liberty Enterprises
43 Liberty Drive
Amsterdam, New York 12010
www.LibertyCleanProducts.com

Emergency telephone number

EMERGENCY TELEPHONE LIBERTY: 1-518-954-3002
CHEMTREC: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Respiratory Sensitizer

Category 1

Label elements

Emergency Overview

WARNING

Hazard statements

May cause mild eye irritation. May cause skin irritation, inhalation of enzyme containing dust may cause allergic reactions in susceptible individuals on repeated exposure.



Appearance Tan Free Flowing Powder

Physical State Solid

Odor Fermentation

Precautionary Statements

Do not breathe dust. Do not get on skin or clothing. Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Keep container closed and sealed until ready for use. Wash thoroughly after handling. Do not ingest.

Hazards not otherwise classified (HNOC)

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>EINECS/ELINCS</u>	<u>IUB</u>	<u>% by Weight</u>
SODIUM LINEAR ALKYL BENZENE SULFONATE	68081-81-2	-	-	< 1%
ALPHA AMYLASE	9000-90-2	232-565-6	3.2.1.1	< 1%
CELLULASE	9012-54-8	232-734-4	3.2.1.4	< 1%
LIPASE	9001-82-1	232.619..9	3.1.1.3	< 1%
PROTEASE (SUBTILISIN)	9014-01-1	232-752-2	3.4.21.62	< 1%

Other Components: remaining components of this product are proprietary, non hazardous and/or are present at concentrations below reportable limits.

4. FIRST AID MEASURES**First aid measures****Eye contact**

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids; get medical aid.

Skin contact

IF ON SKIN: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Inhalation

IF INHALED: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion

IF SWALLOWED: Never give anything by mouth to an unconscious person. Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of water.

Most important symptoms and effects, both acute and delayed**Symptoms**

No information available.

Indication of any immediate medical attention and special treatment needed**Note to physicians**

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Water, foam, chemical and carbon dioxide.

Unsuitable extinguishing media None known.

Specific hazards arising from the chemical

May cause allergic respiratory reaction.

Protective equipment and precautions for firefighters

Not available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Notify unprotected personnel before entering area. Provide sufficient ventilation and remove contaminated clothing. Do not walk through spilled material. Avoid breathing dust.

Environmental precautions

Environmental precautions Removal by mechanical means (i.e. vacuuming with HEPA filters) is preferred. Solid can be placed in sealed containers for disposal. Dilute remainder with plenty of water avoiding the formation of aerosols and flush to an approved drain according to local guidelines.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Removal by mechanical means (i.e. vacuuming with HEPA filters) is preferred. Solid can be placed in sealed containers for disposal. Dilute remainder with plenty of water avoiding the formation of aerosols and flush to an approved drain according to local guidelines.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Segregate from acids, peroxides, and combustible organic materials or easily oxidizable materials. Keep from freezing. Protect against physical damage. Keep away from heat and flame.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep away from heat and flame. Store in a cool dry area in closed original containers.

Incompatible materials Segregate from acids, peroxides, and combustible organic materials or easily oxidizable materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines None established.

Appropriate engineering controls

ENGINEERING CONTROLS Dust control and adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses are recommended to minimize eye contact.

Skin and body protection Protective gloves.

RESPIRATORY PROTECTION Dust mask.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Solid

Appearance	Free Flowing Powder	Odor	FERMENTATION
Color	Tan	Odor threshold	Not established

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not established.	
Melting point/freezing point	Not established.	
Boiling point / boiling range	Not available.	
Flash point	Not available.	
Evaporation rate	Not available.	
Flammability (solid, gas)	Not available.	
Flammability Limit in Air		
Upper flammability limit:	Not available.	
Lower flammability limit:	Not available.	
Vapor pressure	Not available.	
Vapor density	Not available.	
Water solubility	Dispersible	
Solubility in other solvents	Not available.	
Partition coefficient	Not available.	
Autoignition temperature	Not available.	
Decomposition temperature	Not available.	
Kinematic viscosity	Not available.	
Dynamic viscosity	Not available.	
Explosive properties	Not available.	
Oxidizing properties	Not available.	

Other Information

Softening point	Not available.
VOC (EPA METH.24) (G/L):	Not available.
Density	Not established.
Bulk density	Not established.

10. STABILITY AND REACTIVITY**REACTIVITY**

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None identified under normal processing.

CONDITIONS TO AVOID

None known.

Incompatible materials

None known.

Hazardous Decomposition Products

None.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Inhalation Overexposure by inhalation may cause sensitization and allergic response in hypersensitive individuals; not a skin sensitizer.

Eye contact Overexposure to the eye is characterized by irritation.

Skin contact This material may be a mild skin irritant.

Ingestion Ingestion of this material is not known to result in adverse effects. No specific data available.

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity Not listed by IARC, OSHA, or NTP

Reproductive Toxicity No data available.

STOT - single exposure No information available.

STOT – repeated exposure No information available.

Aspiration hazard Overexposure by inhalation may cause sensitization and allergic response in hypersensitive individuals.

12. ECOLOGICAL INFORMATION

Ecotoxicity

No specific data available.

Persistence and degradability

No specific data; components are considered to be biodegradable.

Bioaccumulation

No specific data; components are considered to be biodegradable; will not bioaccumulate.

Mobility in Soil

No data available.

Other adverse effects

None known.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

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

Contaminated packaging Do not reuse container.

14. TRANSPORT INFORMATION

Proper shipping name Not Regulated by DOT

15. REGULATORY INFORMATION

International Inventories

TSCA Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any

chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

ACUTE HEALTH HAZARD	No
CHRONIC HEALTH HAZARD	No
FIRE HAZARD	No
Sudden release of pressure hazard	No
REACTIVE HAZARD	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations**U.S. State Right-to-Know Regulations****U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION**HMIS**

Health hazards	1
Flammability	0
Physical hazards	0
Personal protection	E

Prepared By	Liberty Enterprises, from Enviro-Health Corp Formula 33 03/25/15
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Revision Note	

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and 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 in any process, unless specified in the text.

*** END OF SDS ***