

Safety Data Sheet

1. IDENTIFICATION

Product Identifier: CI BIOSHOCK

Product Code: CI-0543

Other Name(s): Bacterial & Enzyme Grease Trap Digestant

Date of Revision: April 16, 2026

Recommended Use and Restrictions on Use: bacterial / enzyme digestant for grease trap and drain line maintenance. Industrial and commercial use only.

Manufactured By: Chem International

10770-180 Street

Edmonton, Alberta, Canada T5S 2S4

Phone: 780-483-8827

In Case of Emergency Only, Phone

CANUTEC: 613-996-6666

2. HAZARDS IDENTIFICATION

Classification of the Mixture:

Not classified as a hazardous product under the Hazardous Products Regulations (HPR).

Label Elements:

Hazard Pictogram(s):

Not applicable

Signal Word:

Not applicable

Hazard Statement(s):

Not applicable

Precautionary Statement(s):

Prevention:

Wash hands thoroughly after handling. Avoid prolonged contact with eyes and skin.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, get medical advice.

Storage:

Keep from freezing. Store in a cool, well-ventilated area.

Disposal:

Dispose of in accordance with local, provincial and federal regulations.

Physical/health hazards not otherwise classified:

Product is a live biological preparation containing non-pathogenic, naturally occurring bacterial cultures. Standard workplace hygiene practices apply.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Conc.</u>	<u>CAS #</u>	<u>Common Names</u>
Water	> 90%	7732-18-5	—
Surfactant blend	< 3%	34398-01-1 / 9004-82-4	Ethoxylated alcohol / Sodium Laureth Sulfate
Ethanol	< 1%	64-17-5	Ethyl alcohol
Bacillus sp. Culture	proprietary	biological	Facultative spore-form bacteria
Linalool	< 0.1%	78-70-6	Fragrance component

Specific chemical identity and/or percentage of composition withheld as a trade secret where permitted. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

4. FIRST-AID MEASURES

Necessary Measures:

Inhalation: Remove person to fresh air and keep comfortable for breathing.

Skin Contact: Rinse skin with water. If irritation or rash occurs, get medical advice.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, get medical advice.

Ingestion: Rinse mouth with water. Do NOT induce vomiting. Seek medical advice if person feels unwell.

Most important symptoms, both acute and delayed:

Not expected to present a significant hazard under anticipated conditions of normal use.

Prolonged skin contact may cause slight irritation. Direct eye contact may be irritating. Ingestion may cause gastrointestinal discomfort.

Indication of immediate medical attention and special treatment needed, if necessary:

Not applicable. Symptomatic treatment only.

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use extinguishing media appropriate for surrounding fire.

Specific hazards arising from the chemical (e.g.: hazardous combustion products):

Upon combustion, carbon monoxide (CO) and carbon dioxide (CO₂) may be formed.

Special protective equipment and precautions for firefighters:

As for surrounding fire. Firefighters should wear full protective clothing and self-contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective equipment. See section 8.

Environmental precautions:

Prevent from entering sewers, waterways or low areas in quantities exceeding municipal authorization.

Methods and materials for containment and cleaning up:

Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

7. HANDLING AND STORAGE

Precautions for safe handling:

Wash hands thoroughly after handling. Do not ingest. Avoid contact with eyes, skin and clothing.

Conditions for safe storage, including any incompatibilities:

Keep out of reach of children. Store in a cool, dry area. **Keep from freezing.** Incompatible with strong oxidizers, strong acids, and concentrated disinfectants (which may reduce biological activity).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters - Exposure limits:

Ingredient:

Water

Surfactant blend

Ethanol

Bacillus sp. Culture

Limit:

not applicable

not established

ACGIH TWA: 1000 ppm

not established

Appropriate engineering controls:

General workplace ventilation is sufficient under normal use conditions.

Respiratory protection:

Not required under normal use conditions.

Other protection:

Wear eye/face protection where splash is possible. Chemical-resistant gloves (nitrile recommended) for prolonged handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, colour etc.):

hazy, blue liquid

Odour:

mint / pleasant fragrance

Odour threshold:

not available

pH:

7.0 - 8.0

Melting/Freezing point:

not available

Initial boiling point and range:

not available

Flash point:

> 93 °C (> 200 °F) closed cup

Evaporation rate:

not available

Flammability (solid, gas):

not available

Upper/lower flammability or explosive limits:

not available

Vapour pressure:

not available

Vapour density:

not available

Relative density (specific gravity):

1.00

Solubility(ies):

complete

Partition co-efficient: n-octanol/water:

not available

Auto-ignition temperature:

not available

Decomposition temperature:

not available

Viscosity:

not available

VOC content:

< 0.5%

10. STABILITY AND REACTIVITY

Reactivity:

This material is considered to be non-reactive under normal use conditions.

Chemical stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

Not expected under normal conditions of use.

Conditions to avoid (e.g.: static discharge, shock or vibration):

Freezing. Extreme heat. Prolonged direct sunlight.

Incompatible materials:

Strong oxidizers. Strong acids. Concentrated disinfectants (may reduce biological activity).

Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products are not expected.

11. TOXICOLOGICAL INFORMATION

POTENTIAL ACUTE HEALTH EFFECTS**Inhalation:**

None expected under normal use.

Ingestion:

May cause gastrointestinal discomfort.

Eye contact:

Direct contact may be irritating.

Skin contact:

Prolonged contact may cause slight irritation.

Skin absorption:

not available

POTENTIAL CHRONIC HEALTH EFFECTS**Inhalation:**

not available

Ingestion:

not available

Eye contact:

not available

Skin contact:

not available

Skin absorption:

not available

Mutagenicity:

not classified

Carcinogenicity:

not classified. This information, if applicable, can be found in Section 2.

Reproductive toxicity:

not classified. This information, if applicable, can be found in Section 2.

Sensitization of product:

not classified. This information, if applicable, can be found in Section 2.

Specific Target Organ Toxicity - single exposure:

not classified. This information, if applicable, can be found in Section 2.

Specific Target Organ Toxicity - repeated exposure:

not classified. This information, if applicable, can be found in Section 2.

Toxicological Data:Ingredient:Data:

Product as a mixture

Not classified — low acute toxicity expected based on composition

Ethanol

Oral LD50: 7060 mg/kg (rat); Dermal LD50: > 20 mL/kg (rabbit)

Bacillus sp. Culture

Non-pathogenic environmental organisms; no hazard classification

12. ECOLOGICAL INFORMATION**Ecotoxicity (aquatic and terrestrial, where available):**

not available

Persistence and degradability:

Readily biodegradable (100%)

Bioaccumulative potential:

Not expected to bioaccumulate

Mobility in soil:

Soluble in water; expected to be mobile

Other adverse effects:

None identified

Ecological Information on Ingredients:

not available

13. DISPOSAL CONSIDERATIONS

Waste disposal: Disposal of all waste must be done according to local, provincial and federal regulations. Empty containers should be offered for recycling where available.

14. TRANSPORT INFORMATION

TDG classification: NON-REGULATED

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

All components are listed on the Canadian Domestic Substances List (DSL) or are exempt from listing.

16. PREPARATION INFORMATION

Prepared by: Technical Services Department, Chem International., Ph.: 780-483-8827

Date of Preparation:

April 16, 2026

Date of Revision:

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