

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
US - OSHA Hazard Communication Standard (29 CFR 1910.1200)

## SECTION 1: Identification

- 1.1 Product identifier:** : BFWH
- Chemical Name:** : mother ferment concentrate
- CAS No** : Not Applicable (Mixture)
- Product description** : All Surface Cleaner Dip and Spray
- Product type** : Liquid
- 1.2. Recommended uses** : All-purpose surface cleaner for household, industrial and institutional use.
- Restrictions on use** : Test compatibility of product with rubber or plastic before use.
- 1.3 Details of the supplier of the safety data sheet: Supplier:**
- Name** : Bioferment Technology  
2660 Jewett Lane, Sanford, FL  
32771
- Information contact** : Tel: +1 305-586-6776
- E-Mail address of person responsible for this SDS** : mark@bioferment.tech
- 1.4 EMERGENCY TELEPHONE NUMBER:** 1-800-424-9300 (Chemtrec)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture:

Classification according to 29 CFR 1910.1200

Eye Irritation – Category 2B

See Section 16 for full text of H-statements.

### 2.2 Label elements

Labelling according to 29 CFR 1910.1200

Hazard pictograms: None required

Signal word: None required

#### Hazard statements:

H320 – Causes eye irritation

Precautionary statements:

Prevention:

P264 – Wash hands thoroughly after handling.

Response:

Issue Date: 05-25-25

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P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 – If eye irritation persists: Get medical advice/attention.

## SECTION 3. Composition/information on ingredients

### 3.1 Substances/Mixture : Mixture

Substance name	CAS No.	Weight %
Proprietary Glycolipid Biosurfactant – Trade Secret.	N/A	5-15
Proprietary food grade organic acids and chelates. Trade Secret	N/A	20

#### Additional information:

Occupational exposure limits, if available, are listed in Section 8. Full text of H- phrases: see SECTION 16.2

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Inhalation** : If breathing is affected, move to fresh air.

**If In Eyes:** : Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

**Skin contact** : Wash with plenty of water.

**Ingestion** : Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

**Self-protection of the first aider** : No action shall be taken involving any personal risk or without suitable training.

### 4.2 Most important symptoms and effects, both acute and delayed

**Inhalation** : No specific data

**Eye contact** : Pain, local redness, swelling.

**Skin contact** : Skin redness, itching, swelling.

**Ingestion** : No specific data

### 4.3 Indication of any immediate medical attention and special treatment needed

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- Notes for the doctor** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Special treatment** : Not known.

## SECTION 5: Firefighting measures

- 5.1 Suitable extinguishing media** : Dry chemical, water spray, foam, or carbon dioxide.
- 5.2 Special hazards arising from the substance or mixture** : When heated to decomposition, it emits acrid smoke and irritating fumes.
- 5.3 Advice for fire-fighters** : As in any fire, wear self-contained breathing apparatus, pressure-demand, and full protective gear.

## SECTION 6: Accidental release measures

- 6.1 Personal precautions** : Wear personal protective equipment stated in Section 8.
- Non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training.
- Emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information from Section 8.
- 6.2 Environmental precautions** : Avoid release to the environment if this is not the intended use.
- 6.3 Methods and material for containment and clean up** : Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (Section 8). Avoid unnecessary long-term contact with skin, eyes, and clothing. Do not taste or swallow. Use with adequate ventilation. Avoid unnecessary long-term breathing of mists or vapors. Remove and wash contaminated clothing and footwear before reusing. Eating, drinking, and smoking are prohibited in areas where this material is handled, stored, and processed.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage requirements** : Keep out of reach of children. Keep container(s) stored in cool, well-ventilated area.

**Incompatibilities** : Avoid strong oxidizing agents and incompatible cleaning chemicals..

**Packaging materials** : Unlined steel drums or plastic totes.

### 7.3 Specific end uses

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**Recommendations** : Best used within 12 months of manufacture date. See label for manufacture and expiration date.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

**Occupational Exposure Limits:** No OSHA PEL or ACGIH TLV established for the mixture or its components at reportable concentrations.

**Biological Limit Values:** None established.

### 8.2 Exposure Controls

**Appropriate Engineering Controls:** Good general ventilation should be sufficient to control airborne levels under normal conditions of use.

**Eye / Face Protection:** Wear safety goggles or eye protection to prevent exposure to liquid splashes or mists.

**Skin and Body Protection:** None normally required under expected conditions of use.

**Hand Protection:** Wear rubber, nitrile, or latex gloves if prolonged or repeated contact is expected.

**Respiratory Protection:** Not normally required under expected conditions of use.

**Thermal Hazards:** None known.

**Environmental Exposure Controls:** No special environmental controls required under normal use conditions.

## SECTION 9. Physical and chemical properties

**Appearance:** Clear to hazy liquid

**Color:** Amber

**Odor:** Mild, earthy

**pH (neat):** 3.0 – 5.5

**Density (20°C):** 1.07 g/mL

**Flash Point:** Not flammable (aqueous solution)

**Flammability:** Not flammable

**Relative Density (20°C):** 1.07 g/mL

**Solubility:** Completely soluble in water

**Vapor Pressure:** Similar to water

**Vapor Density:** Similar to water

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**Boiling Point:** Approximately 100°C (212°F)

**Freezing Point:** Approximately 0°C (32°F)

**All other physical and chemical properties:** Not available or not applicable for this mixture.

## SECTION 10: Stability and reactivity

**10.1 Reactivity** : Stable under normal conditions of storage and uses.

**10.2 Chemical stability** : Product is stable.

**10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid** : Conditions to avoid: Extreme heat and incompatible materials.

**10.5 Incompatible materials** : Strong acids, bases, oxidative agents, and quaternary disinfectants can degrade/inactivate product. Test compatibility of product with rubber, plastic, or metal compounds and acids before full scale use.

**10.6 Hazardous decomposition products:** : Carbon oxides (CO and CO<sub>2</sub>) may be formed under fire conditions.

## SECTION 11: Toxicological information

### 11.1 Information on Toxicological Effects

#### Acute Toxicity

Oral (mixture as supplied): No specific acute oral toxicity data available for the concentrate. Based on component information and mixture evaluation, the product is not classified for acute oral toxicity.

Dermal: No data available. Based on component information, not expected to present an acute dermal toxicity hazard.

Inhalation: No data available. Not expected to present an acute inhalation toxicity hazard under normal conditions of use.

Likely Routes of Exposure: Eye contact, skin contact, inhalation of mists, and ingestion.

Skin Corrosion/Irritation: Not classified based on mixture evaluation and component information.

Eye Irritation: Causes mild, reversible eye irritation. Classification: Eye Irritation – Category 2B (H320).

Respiratory or Skin Sensitization: No data available. Not expected to be a sensitizer based on component information.

Germ Cell Mutagenicity: No data available.

Carcinogenicity: No components are listed as carcinogenic by IARC, NTP, or OSHA at reportable concentrations.

Reproductive Toxicity: No data available.

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Specific Target Organ Toxicity (Single Exposure): No data available.

Specific Target Organ Toxicity (Repeated Exposure): No data available.

Aspiration Hazard: Not expected to present an aspiration hazard. Product is an aqueous liquid mixture.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Aquatic toxicity** : Acute LC50/EC50: Not classified\*.

**12.2 Persistence and degradability** : Expected to be readily biodegradable.

**12.3 Bioaccumulative potential** : Not expected to bioaccumulate.

**12.4 Mobility in soil** : Not available.

**12.5 Results of PBT and vPvB assessment** : None known.

**12.6 Other adverse effects** : None known.

### Additional ecological information

Use with good industrial practice, avoiding product dispersion into the environment.

\*: If no test data exists, the criteria for mixture classification has to be used (calculation method). Results were obtained via said calculation method.

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods** : Dispose of contents/container in accordance with local, regional, national, and international regulations. Avoid release to the environment.

**13.2 Special precautions** : Avoid spilled material and dispersal into soil and drains.

## SECTION 14: Transport information

**UN Number:** Not regulated.

**UN Proper Shipping Name:** Not regulated as dangerous goods.

**Transport Hazard Class(es):** Not regulated.

**Packing Group:** Not applicable.

**Environmental Hazards:** Not classified as environmentally hazardous for transport.

**Special Precautions:** None known.

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**Transport in Bulk (MARPOL/IBC):** Not applicable for packaged goods.

## SECTION 15: Regulatory information

### US Federal Regulations:

All components are listed or exempt from listing under the U.S. Toxic Substances Control Act (TSCA).

**EU Regulations:** Classification under Regulation (EC) No 1272/2008 (CLP) would be determined by the EU importer.

**Chemical Safety Assessment:** A Chemical Safety Assessment has not been carried out for this mixture.

## SECTION 16: Other Information

### 6.1 Abbreviations and acronyms

ATE = Acute Toxicity Estimate

ADN = European Agreement concerning the International Carriage of Goods by Inland Waterways

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS# = Chemical Abstracts Service number

CLP = Classification, labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DNEL = Derived No Effect Level

EC = European Community

EC-No. = EINECS and ELINCS Number (see EINECS and ELINCS)

EEC = European Economic Community

EINECS = European Inventory of Existing Commercial Substances

ELINCS = European List of Notified Chemical Substances

EU = European Union

GHS = Globally Harmonized System

IATA = International Air Transportation Association

ICAO-TI = Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG = International Maritime Dangerous Goods

LC50 = Lethal Concentration to 50% of a test population

LD50 = Lethal Dose to 50% of a test population (Median Lethal Dose)

N/A = Not available

OECD = Organization for Economic Co-operation and Development

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PEL = Permissible Exposure Limit

PNEC = Predicted No Effect Concentration(s)

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals (EC No. 1907/2006)

CLP = Classification, Labelling and Packaging Regulation (EC No. 1272/2008)

RID = Regulations concerning the International Carriage of Dangerous Goods by Rail

SDS = Safety Data Sheet UN = United Nations

vPvB = Very Persistent and Very Bioaccumulative

European Chemicals Agency, Classification Legislation, 2015

OSHA Hazard Communication– Occupational Safety and Health Administration,

Hazard Communication: Hazard Classification Guidance for Manufacturers, Importers, and Employers, 2016

## 16.2 Relevant H-, R- phrases (number and full text)

Full text of abbreviated: H320 – Causes eye irritation

H statements: H320 – Causes eye irritation

Classification | Justification

Eye Irritation Category 2B | Based on mixture evaluation and component concentration under 29 CFR 1910.1200 (HazCom 2012)