

# SAFETY DATA SHEET

Date Issued : 12/9/2014

SDS No : EBR

## Enzi Brite

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Enzi Brite

**GENERAL USE:** Clean and deodorize floors in food service areas and restrooms.

**PRODUCT DESCRIPTION:** Enzyme Enriched Floor Cleaner & Deodorizer

**PRODUCT CODE:** EBR

**CHEMICAL FAMILY:** Detergent/enzyme blend

#### MANUFACTURER

MISCO Products Corporation

1048 Stinson Drive

Reading, PA 19605

**Emergency Phone:** 610-926-4106

**Customer Service:** 800-548-4568

**Transportation:** 800-548-4568

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEM-TEL (Medical and Transportation):** 800-255-3924

**POISON CONTROL CENTER (Medical):** 800-222-1222

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Eye Irritation, Category 2A

Skin Irritation, Category 3

#### GHS LABEL



Exclamation  
mark

**SIGNAL WORD:** WARNING

#### HAZARD STATEMENTS

H319: Causes serious eye irritation.

H316: Causes mild skin irritation.

H303: May be harmful if swallowed.

#### PRECAUTIONARY STATEMENT(S)

##### Prevention:

P262: Do not get in eyes, on skin, or on clothing.

P233: Keep container tightly closed.

P102: Keep out of reach of children.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

##### Response:

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

P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P304+P341: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

##### Storage:

P404: Store in a closed container.

**Disposal:**

P501: Dispose of contents/container in accordance with local, state and federal regulations.

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Green liquid

**IMMEDIATE CONCERNS:** Eye & Skin irritant

**POTENTIAL HEALTH EFFECTS**

**EYES:** Contact causes severe eye irritation.

**SKIN:** May be mildly irritating with prolonged or repeated contact.

**SKIN ABSORPTION:** None Expected.

**INGESTION:** Although of moderate to low toxicity, ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea, and possible death.

**INHALATION:** None Expected.

**REPRODUCTIVE TOXICITY**

**TERATOGENIC EFFECTS:** None known.

**CARCINOGENICITY:** No listed substance

**MUTAGENICITY:** None known.

**MEDICAL CONDITIONS AGGRAVATED:** Previous skin conditions such as dermatitis may be aggravated.

**ROUTES OF ENTRY:** Eye, skin, ingestion.

**CANCER STATEMENT:** No known significant effects or critical hazards.

**WARNING CAUTION LABELS:** Irritant

**COMMENTS HEALTH:** Contact with open wounds, sores or eyes may cause infection unless areas are immediately flushed with clear water.

**PHYSICAL HAZARDS:** None Expected.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

| Chemical Name                                    | Wt.%    | CAS       |
|--|---------|-----------|
| Nonylphenol Ethoxylate                           | 0 - 5   | 9016-45-9 |
| Tetrasodium ethylenediamine tetraacetate         | 0 - 5   | 64-02-8   |
| Sodium Xylene Sulfonate                          | 0 - 5   | 1300-72-7 |
| 2-propenoic acid, 2-methyl-, dodecyl Ester       | 0 - 1   | 142-90-5  |
| Viable Non-pathogenic Bacillus Subtilis cultures | 0 - 1   | N/A       |
| Dye  | < 0.1   | N/A       |
| Fragrance  | < 0.5   | N/A       |
| Water  | 80 - 85 | 7732-18-5 |

**4. FIRST AID MEASURES**

**EYES:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Burning sensation with tearing, redness.

**SKIN:** Prolonged contact will cause irritation marked by redness, burning sensation.

**SKIN ABSORPTION:** Not Established

**INGESTION:** Irritation of mouth, throat, along with stomach upset, vomiting.

**INHALATION:** Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.

**ACUTE TOXICITY:** Not Established

#### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** NA = Not Applicable

**GENERAL HAZARD:** NA = Not Applicable

**EXTINGUISHING MEDIA:** Not required. Water based material.

#### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Avoid walking in product. Wipe up or otherwise flush small spills to sanitary sewer.

**LARGE SPILL:** Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

##### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Avoid discharges into open waterways.

**LAND SPILL:** Avoid discharge to soil.

**GENERAL PROCEDURES:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

**SPECIAL PROTECTIVE EQUIPMENT:** Eye protection, rubber gloves, rubber boots to protect feet.

#### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Close container after use.

**HANDLING:** Wear eye protection, rubber gloves when handling concentrate.

**STORAGE:** Store in area inaccessible to children.

**STORAGE TEMPERATURE:** Store at ambient temperatures.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### EXPOSURE GUIDELINES

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) |      |     |                   |  |
|---|------|-----|-------------------|--|
|   |      |     | EXPOSURE LIMITS   |  |
|   |      |     | Supplier OEL      |  |
| Chemical Name                               |      | ppm | mg/m <sup>3</sup> |  |
| 2-propenoic acid, 2-methyl-, dodecyl Ester  | TWA  | NL  | NL                |  |
|   | STEL | NL  | NL                |  |

**ENGINEERING CONTROLS:** No special requirements.

##### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses with side shields.

**SKIN:** Rubber or other chemical resistant gloves.

**PROTECTIVE CLOTHING:** No special requirements.

**WORK HYGIENIC PRACTICES:** Wash with soap and water after handling. Do not eat, drink or smoke while using product.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Apple spice

**ODOR THRESHOLD:** Not Established  
**COLOR:** Green  
**pH:** 8.5 to 9.5  
**PERCENT VOLATILE:** >90  
**FLASH POINT AND METHOD:** None  
**FLAMMABLE LIMITS:** N/A  
**AUTOIGNITION TEMPERATURE:** NA = Not Applicable  
**VAPOR PRESSURE:** ≤ 20 mm Hg at (68°F)  
**VAPOR DENSITY:** > 1 Air = 1  
**BOILING POINT:** 212° F; 100° C  
**FREEZING POINT:** 32° F; 0° C  
**THERMAL DECOMPOSITION:** Not Available  
**SOLUBILITY IN WATER:** Complete  
**EVAPORATION RATE:** (Water =1) 1.0  
**DENSITY:** 8.65 at (68°F)  
**SPECIFIC GRAVITY:** 1.036 grams/ml.  
**VISCOSITY:** Water thin.  
**(VOC):** None

## 10. STABILITY AND REACTIVITY

**STABLE:** Yes  
**HAZARDOUS POLYMERIZATION:** No  
**CONDITIONS TO AVOID:** Not Established  
**POSSIBILITY OF HAZARDOUS REACTIONS:** None Expected.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.  
**INCOMPATIBLE MATERIALS:** Strong acids, oxidizers.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

| Chemical Name                            | ORAL LD <sub>50</sub><br>(rat) | DERMAL LD <sub>50</sub><br>(rabbit) |
|--|--------------------------------|-------------------------------------|
| Nonylphenol Ethoxylate                   | 16000 mg/kg<br>(rat)           | 4490 mg/kg<br>(rabbit)              |
| Tetrasodium ethylenediamine tetraacetate | 3030 mg/kg<br>(rat)            | > 5000 mg/kg<br>(rabbit)            |

**EYES:** Not Established  
**DERMAL LD<sub>50</sub>:** Not Established  
**SKIN ABSORPTION:** None Expected.  
**ORAL LD<sub>50</sub>:** Not Established  
**INHALATION LC<sub>50</sub>:** Not Established  
**EYE EFFECTS:** Moderate to severe eye irritant.  
**SKIN EFFECTS:** May irritate skin with prolonged or repeated contact.  
**IRRITATION:** Irritant  
**SENSITIZATION:** No known significant effects or critical hazards.  
**NEUROTOXICITY:** No known significant effects or critical hazards.

**REPRODUCTIVE EFFECTS:** No known significant effects or critical hazards.

**MUTAGENICITY:** No known significant effects or critical hazards.

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL DATA:** Not Established

**ECOTOXICOLOGICAL INFORMATION:** Not Established

**AQUATIC TOXICITY (ACUTE):** Not Established

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Small amounts (less than 5 gallons) may be disposed of in sanitary sewer. Consult local authorities for additional disposal information.

**FOR LARGE SPILLS:** Consult with local and state authorities for large volume disposal.

**PRODUCT DISPOSAL:** See above.

**EMPTY CONTAINER:** Rinse container with clear water. Offer container for recycling, or dispose of in trash.

**RCRA/EPA WASTE INFORMATION:** NA = Not Applicable

**14. TRANSPORT INFORMATION**

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Cleaning Compound, not regulated.

**ROAD AND RAIL (ADR/RID)**

**PROPER SHIPPING NAME:** Cleaning Compound, not regulated.

**AIR (ICAO/IATA)**

**SHIPPING NAME:** Cleaning Compound, not regulated.

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** Cleaning Compound, not regulated.

**15. REGULATORY INFORMATION**

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Health - Acute

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

**313 REPORTABLE INGREDIENTS:** NA = Not Applicable

**302/304 EMERGENCY PLANNING**

**EMERGENCY PLAN:** NA = Not Applicable

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** NA = Not Applicable

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

| Chemical Name                              | CAS      |
|--|----------|
| 2-propenoic acid, 2-methyl-, dodecyl Ester | 142-90-5 |

**TSCA REGULATORY:** All ingredients are listed on the TSCA Chemical Inventory.

**STATES WITH SPECIAL REQUIREMENTS**

| Chemical Name          | Requirements  |
|------------------------|---|
| Nonylphenol Ethoxylate | Massachusetts Right to Know Substance<br>New Jersey Right To Know Substance<br>Pennsylvania Right to Know Substance |

**CALIFORNIA PROPOSITION 65:** No listed substance

**CARCINOGEN:** No listed substance

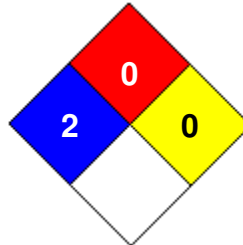
**16. OTHER INFORMATION**

**PREPARED BY:** Regulatory Affairs Department

**HMIS RATING**

|                            |                      |          |
|----------------------------|----------------------|----------|
| <b>HEALTH</b>              | <input type="text"/> | <b>2</b> |
| <b>FLAMMABILITY</b>        | <input type="text"/> | <b>0</b> |
| <b>PHYSICAL HAZARD</b>     | <input type="text"/> | <b>0</b> |
| <b>PERSONAL PROTECTION</b> | <input type="text"/> | <b>B</b> |

**NFPA CODES**



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