*1 Identification*

- **Product identifier**
  - **Trade name:** Blood Buster
  - **Product description**
    Environmentally and user friendly evacuation system cleaner, instrument presoak and ultrasonic
    cleaning solution designed for the dental, medical industries and veterinary industries. This product is
    a liquid with straw coloring and fresh scent.

- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:** Enzyme Industries of the U.S.A., Inc.
    P.O. Box 2242
    2090 James Parkway
    Heath, OH 43056
    Phone: (740) 929-4975
    Fax: (740) 929-4836
    www.enzymeindustries.com
  - **Emergency telephone number:** (740) 929-4975

*2 Hazard(s) identification*

- **Classification of the substance or mixture**
  The product is not classified according to the Globally Harmonized System (GHS).

- **Label elements**
  - **GHS label elements** Non-Regulated Material
  - **Hazard pictograms** Non-Regulated Material
  - **Signal word** Non-Regulated Material
  - **Hazard statements** Non-Regulated Material
  - **Classification system:**
    - **NFPA ratings (scale 0 - 4)**
      - Health = 0
      - Fire = 0
      - Reactivity = 0
    - **HMIS-ratings (scale 0 - 4)**
      - HEALTH Health = 0
      - FIRE Fire = 0
      - REACTIVITY Reactivity = 0

*3 Composition/information on ingredients*

| 7732-18-5 water, distilled, conductivity or of similar purity | 90-99% |

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous Components:**
  - Trade Secret
    - Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335 ≤ 2.5%
  - Trade Secret
    - Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2B, H320 ≤ 2.5%
4 First-aid measures

- **Description of first aid measures**
  - **General information:** No special measures required.
  - **After inhalation:**
    Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.
    In case of unconsciousness, place patient securely on side position for transportation.
  - **After skin contact:** Generally the product does not irritate the skin.
  - **After eye contact:** Rinse opened eye for several minutes under running water.
  - **After swallowing:** Give large amounts of water. If symptoms persist consult doctor.
  - **Most important symptoms and effects, both acute and delayed**
    No further relevant information available.
  - **Indication of any immediate medical attention and special treatment needed**
    No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
  - **Suitable extinguishing agents:**
    CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **Special hazards arising from the substance or mixture**
  - No further relevant information available.

- **Advice for firefighters**
  - **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  - Not required.

- **Environmental precautions:** No special measures required.

- **Methods and material for containment and cleaning up:**
  - Absorb with liquid-binding material (ie. sand, diatomite, acid binders, universal binders, sawdust).
  - Dispose contaminated material as waste according to section 13.
  - Ensure adequate ventilation.

- **Reference to other sections**
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

7 Handling and storage

- **Precautions for safe handling**
  - Ensure good ventilation/exhaustion at the workplace.
  - Prevent formation of aerosols.

- **Information about protection against explosions and fires:** No special measures required.

- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
  - **Requirements to be met by storerooms and receptacles:** No special requirements.
  - **Information about storage in one common storage facility:** Not required.
  - **Further information about storage conditions:** Keep receptacle tightly sealed.
  - **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
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- Control parameters
- Components with occupational exposure limits:
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists that were valid during the creation were used as basis.

- Exposure controls
- Personal protective equipment:
  - General protective and hygienic measures:
    Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.
  - Breathing equipment: Not required.
  - Protection of hands: Not required.
  - Eye protection: Goggles recommended during refilling.

9 Physical and chemical properties

- Information on basic physical and chemical properties
  - General Information
    - Appearance:
      Form: Liquid
      Color: Straw
    - Odor: Fresh Scent
    - Odor threshold: Not determined.
  - pH-value @ 20 °C (68 °F):
    4.2
  - Change in condition
    Melting point/Melting range: Not determined. 100 °C (212 °F)
    Boiling point/Boiling range: Not determined.
  - Flash point: Not applicable.
  - Flammability (solid, gaseous): Not applicable.
  - Ignition temperature:
    Decomposition temperature: Not determined.
  - Auto igniting: Product is not selfigniting.
  - Danger of explosion: Product does not present an explosion hazard.
  - Explosion limits:
    Lower: 0.0 Vol %
    Upper: 0.0 Vol %
  - Vapor pressure @ 20 °C (68 °F):
    23 hPa (17 mm Hg)
  - Density @ 20 °C (68 °F):
    1 g/cm³ (8.345 lbs/gal)
  - Relative density: Not determined.
  - Vapour density: Not determined.
  - Evaporation rate: Not determined.
  - Solubility in / Miscibility with Water: Fully miscible.
  - Partition coefficient (n-octanol/water): Not determined.
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- **Viscosity:**
  - Dynamic: Not determined.
  - Kinematic: Not determined.

- **Solvent content:**
  - Organic solvents: 0.1 %
  - Water: 93.1 %
  - VOC content: 4.9 %

- **Solids content:** 2.0 %

- **Other information**
  - pH of applied product when mixed with city water and used as directed: 7.0-9.0.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
  - **Possibility of hazardous reactions** No dangerous reactions known.
  - **Conditions to avoid** No further relevant information available.
  - **Incompatible materials:** No further relevant information available.
  - **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity:**
    - **Primary irritant effect:**
      - on the skin: No irritant effect.
      - on the eye: No irritating effect.
    - **Additional toxicological information:**
      - The product shows the following dangers according to internally approved calculation methods for preparations:
        - Harmful

- **Carcinogenic categories**
  - **IARC (International Agency for Research on Cancer)**
    - None of the ingredients is listed.
  - **NTP (National Toxicology Program)**
    - None of the ingredients is listed.
  - **OSHA-Ca (Occupational Safety & Health Administration)**
    - None of the ingredients is listed.

### 12 Ecological information

- **Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
  - **Persistence and degradability** No further relevant information available.
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.
  - **Additional ecological information:**
    - **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water
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*Results of PBT and vPvB assessment*
- **PBT**: Not applicable.
- **vPvB**: Not applicable.
- **Other adverse effects** No further relevant information available.

*13 Disposal considerations*
- **Waste treatment methods**
  - **Recommendation**: Recycle or dispose with household trash.
- **Uncleaned packagings**:  
  - **Recommendation**: Disposal must be made according to official regulations.
  - **Recommended cleansing agent**: Water, if necessary with cleansing agents.

*14 Transport information*
- **UN-Number**
- **DOT, ADR, ADN, IMDG, IATA**
- **UN proper shipping name**
- **DOT, ADR, ADN, IMDG, IATA**
- **Transport hazard class(es)**
- **DOT, ADR, ADN, IMDG, IATA**
- **Class**
- **Packing group**
- **DOT, ADR, IMDG, IATA**
- **Environmental hazards**:  
  - **Marine pollutant**: No
  - **Special precautions for user**: Not applicable.
  - **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**: Not applicable.
- **UN "Model Regulation"**: -

*15 Regulatory information*
- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Sara**
  - **Section 355 (extremely hazardous substances)**: None of the ingredients is listed.
  - **Section 313 (Specific toxic chemical listings)**: Trade Secret
  - **TSCA (Toxic Substances Control Act)**:
    - Trade Secret
    - Trade Secret
    - 112-42-5 undecan-1-ol
    - 64-19-7 Glacial Acidic Acid
    - 7732-18-5 water, distilled, conductivity or of similar purity
  - **Proposition 65**
    - **Chemicals known to cause cancer**: None of the ingredients is listed.
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- **Chemicals known to cause reproductive toxicity for females:**
  None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**
  None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**
  None of the ingredients is listed.

- **Carcinogenic categories**
  - **EPA (Environmental Protection Agency)**
    None of the ingredients is listed.
  - **TLV (Threshold Limit Value established by ACGIH)**
    None of the ingredients is listed.
  - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
    None of the ingredients is listed.

- **GHS label elements**
  - **Non-Regulated Material**
  - **Hazard pictograms**
    - **Non-Regulated Material**
  - **Signal word**
    - **Non-Regulated Material**
  - **Hazard statements**
    - **Non-Regulated Material**

- **National regulations:**
  The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

- **State Right to Know**
  All ingredients are listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of preparation / last revision** 07/10/2014 / 8

**Abbreviations and acronyms:**
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association (USA)
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HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

* Data compared to the previous version altered.

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