

Hardy Diagnostics

Safety Data Sheet

1. Product And Company Identification

1.1. Product identifiers

Product Name: **Standard Reagent**

Other Common Names: None

Catalog Number: Z132B

1.2. Recommended use

Used as kit component recommended for confirmation of successful pasteurization in milk, butter, cream and cheese, using the Rutgers method.

1.3. Details of the supplier of this Safety Data Sheet

Company: Hardy Diagnostics
 1430 West McCoy Lane
 Santa Maria, CA 93455

Telephone: (805) 346-2766

(800) 266-2222

Emergency Phone: (800) 424-9300 ChemTrec (24hr service)

2. Hazards Identification

2.1. Classification of substance or mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS)

Corrosive to Metals (Category 1), H290


Skin Irritation (Category 2), H315

Eye Damage (Category 1), H318

Aquatic Toxicity, Acute (Category 3), H402

Aquatic Toxicity, Chronic (Category 3), H412

2.2. GHS Label elements, including precautionary statements

| | |
|----------------------------------|---|
| Pictogram: |  |
| Signal Word: | Danger |
| Hazard Statements: | |
| H290 | May be corrosive to metals. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H402 | Harmful to aquatic life. |
| H412 | Harmful to aquatic life with long lasting effects. |
| Precautionary Statements: | |
| P234 | Keep only in original packaging. |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P264 | Wash hands thoroughly after handling. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves. |
| P302+P352 | IF ON SKIN: Wash with plenty of water. |

| | |
|----------------|--|
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a doctor for emergency medical advice. |
| P321 | Specific treatment (see additional information on this label). |
| P332+P313 | If skin irritation occurs: Get medical attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P390 | Absorb spillage to prevent material-damage. |
| P501 | Dispose of contents or container at an approved waste disposal facility, according to applicable regulations. |

2.3. **Hazards not otherwise classified or not covered by GHS**

No data available.

3. Composition/Information on Ingredients

3.1. **Mixtures**

Hazardous components:

| Substance: | Concentration: | Hazard Information: |
|--|----------------|---|
| 2-Amino-2-methyl-1-propanal (CAS# 124-68-5) | 73.81% | Skin Irritation 2, Eye Damage 1, Acute Aquatic Toxicity 3, Chronic Aquatic Toxicity 3 |
| Hydrochloric Acid (CAS# 7647-01-0) | 8.52% | Corrosive to Metals 1, Eye Damage 1 |

4. First Aid Measures

4.1. **Description of first aid measures**

| | |
|----------------------|--|
| Inhalation: | If inhaled, remove to fresh air. If not breathing, give artificial respiration and immediately seek medical attention. |
| Ingestion: | Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical advice. |
| Skin Contact: | Immediately wash thoroughly with soap and water. If irritation persists, consult a physician. Avoid touching contaminated clothing. |
| Eye Contact: | Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, keeping eyelids open. If irritation persists, consult a physician. |

4.2. **Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3. **Indication of any immediate medical attention and special treatment needed**

No data available.

5. Firefighting Measures

5.1. **Extinguishing media**

Water spray, carbon dioxide, dry chemical powder, or appropriate foam.

5.2. **Special hazards arising from the substance or mixture**

No data available.

5.3. **Advice for firefighters**

In the event of a fire, wear protective clothing and NIOSH-approved breathing apparatus necessary to prevent any possible irritation.

5.4. Further information

No data available.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment: chemical resistant gloves. Keep unprotected persons away.

Environmental precautions

No data available.

6.2. Methods and materials for containment and cleaning up

Wipe up with a damp sponge or mop.

6.3. Reference to other sections

For disposal, see section 13.

7. Handling and Storage

7.1. Precautions for safe handling

Wear appropriate personal protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in a cool, dry place in accordance with specified storage conditions.

7.3. Specific end uses

Apart from uses mentioned in section 1.2, not other specific uses are stipulated.

8. Exposure Controls/Personal Protection

8.1. Control parameters

No data available.

8.2. Appropriate engineering controls

Safety shower and eye bath.

8.3. Personal protective equipment

| | |
|-------------------------|---------------------------|
| Eye/Face: | Safety goggles |
| Skin: | Chemical resistant gloves |
| Respiratory: | None for normal use |
| Thermal Hazards: | None for normal use |

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

| | |
|-------------------------|--|
| Appearance: | Physical State: Liquid Color: Orange-Yellow |
| Odor: | Alcohol smell |
| Odor Threshold: | Not Determined |
| pH: | 10.0 +/- 0.3 |
| Melting/Freezing Point: | Not Determined |
| Boiling Point: | Not Determined |
| Flash Point: | Not Determined |
| Evaporation Rate: | Not Determined |

| | |
|--|----------------|
| Flammability: | Not Determined |
| Explosion Limits: | Not Determined |
| Vapor Pressure: | Not Determined |
| Vapor Density: | Not Determined |
| Relative Density: | Not Determined |
| Water Solubility: | Soluble |
| Partition coefficient (n-octanol/water): | Not Determined |
| Auto-ignition Temperature: | Not Determined |
| Decomposition Temperature: | Not Determined |
| Viscosity: | Not Determined |
| Explosive Properties: | Not Determined |
| Oxidizing Properties: | Not Determined |

9.2. **Other safety information**

No data available.

10. Stability and Reactivity

| | |
|---|--|
| Reactivity | No data available. |
| Chemical stability | This product is stable. |
| Possibility of hazardous reactions | No data available. |
| Conditions to avoid | No data available. |
| Incompatible materials | No data available. |
| Hazardous decomposition products | No dangerous decomposition products known. |

11. Toxicological Information

11.1. **Information on toxicological effects**

| | |
|---|--------------------|
| Acute toxicity | No data available |
| Skin corrosion/irritation | No data available |
| Serious eye damage/eye irritation | No data available |
| Respiratory or skin sensitization | No data available |
| Germ cell mutagenicity | No data available |
| Carcinogenicity | No data available |
| Reproductive toxicity | No data available |
| Specific target organ toxicity – single exposure | No data available |
| Specific target organ toxicity – repeated exposure | No data available |
| Aspiration Hazard | No data available |
| Additional information | No data available. |

12. Ecological Information

| | |
|---|-------------------|
| Toxicity | No data available |
| Persistence and degradability | No data available |
| Bioaccumulative potential | No data available |
| Mobility in soil | No data available |
| Results of PBT and vPvB assessment | No data available |
| Other adverse effects | No data available |

13. Disposal Considerations

13.1. **Waste disposal**

Dispose of in accordance with applicable state and federal regulations.
 Disposal must be in accordance with regulations 40 CFR 261.

14. Transport Information

| | |
|------------------------------|------|
| DOT hazard class | None |
| Shipping name | None |
| Identification number | None |
| Packing group | None |

15. Regulations

| Carcinogenicity | Yes/No |
|------------------------|---------------|
| NTP: | No |
| IARC: | No |
| OSHA: | No |
| California Prop 65: | Yes |
| IATA: | No |

16. Other Information

The above information, to the best of our knowledge, is accurate. Hardy Diagnostics assumes no liability whatsoever for the accuracy or completeness of the information stated above. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards may be described, we cannot guarantee that these are the only hazards that exist.

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