SAFETY DATA SHEET

Section 1 - Identification

Product Identifier SHA-ZYME RTU (1-64, 1-32, 1-18)
Other means of identification 1830 (1-64, 1-32, 1-18)
Recommended use Enzyme cleaner. RTU.
Recommended restrictions Use in accordance with supplier’s recommendations.

Manufacturer / Importer / Supplier / Distributor Information
Company Name National Chemical Laboratories of PA, Inc.
Address 401 N. 10th Street - Philadelphia, PA 19123
Telephone 1 (215) 922-1200
Supplier Email info@nclonline.com
Contact CHEM-TEL
Emergency Phone 1 (800) 255-3924

Section 2 - Hazard(s) Identification

Physical Hazards Not Classified
Health Hazards Not Classified
OSHA defined hazards Not Classified.
Label Elements
Hazard Symbol None.
Signal Word None.
Hazard Statement The mixture does not meet the criteria for classification.
Precautionary statement
Prevention Observe good industrial hygiene practices.
Response Wash thoroughly after handling.
Storage Store away from incompatible materials.
Disposal Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC) None known.

Section 3 - Composition/Information on ingredients

Mixture The components are not hazardous or are below required disclosure limits.

Section 4 - First-aid Measures

Inhalation If symptomatic, move to fresh air. Get medical attention if symptoms persist.
Skin contact Wash skin with soap and water. Get medical attention if irritation develops or persists.
Eye contact Flush thoroughly with water for at least 15 minutes. Get medical attention if irritation develops and persists.
Ingestion If you feel unwell, seek medical advice (show the label where possible).
Most Important symptoms/effects, acute and delayed Not available.
Indication of immediate medical attention and special treatment Treat symptomatically.
General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5 - Fire-fighting measures

Suitable extinguishing media Water spray, fog, CO2, dry chemical, or alcohol resistant foam.
Unsuitable extinguishing media None known.
Specific hazards arising from the chemical None known.
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Specific hazards arising from the chemical

Special protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment /instructions
Move containers from fire area if you can do it without risk. Use water spray to keep fire-exposed containers cool.

General fire hazards
This product is not flammable or combustible.

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures.
Isolate area. Keep unnecessary personnel away. Use personal protection as recommended in Section 8 of the SDS.

Methods and materials for containment and cleaning up
SMALL SPILLAGE: Absorb spillage with suitable absorbent material.
LARGE SPILLS: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. After removal flush contaminated area thoroughly with water.

Environmental precautions
Avoid discharge into drains, water courses or onto the ground.

Section 7 - Handling and storage

Precautions for safe handling
Avoid contact with eyes, skin, and clothing. Use Personal Protective Equipment recommended in section 8 of the SDS.

Conditions for safe storage, including any incompatibilities
Store away from incompatible materials. Keep container closed.

Section 8 - Exposure control/personal protection

Occupational exposure limits
No exposure limits noted for ingredient(s).

Biological limit values
No biological exposure limits noted for the ingredient(s).

Exposure guidelines
Use personal protective equipment as required. Keep working clothes separately.

Appropriate engineering controls
Provide adequate ventilation and minimize the risk of inhalation of vapors and mists. Provide easy access to water supply and eye wash facilities.

Individual protection measures, such as personal protective equipment

Eye/face protection
If use of product risks exposure to contact, wear safety glasses with side shields.

Skin protection

Hand protection
Impervious gloves are recommended for prolonged use.

Other
If use of product risk exposure to contact, wear suitable protective clothing.

Respiratory protection
In case of inadequate ventilation, use respiratory protection.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9 - Physical and chemical properties

Appearance

Physical state
Liquid.

Form
Clear, thin liquid.

Color
Pale Green.

Odor
Herbal.

Odor threshold
Not available.

pH
7.2

Melting point/freezing point
Not available.

Initial boiling point and boiling range
212 °F (100 °C)

Flash point
> 212.0 °F (> 100.0 °C)

Evaporation rate
Not available.

Flammability (solid, gas)
Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)
Not available.

Flammability limit - upper (%)
Not available.

Explosive limit - lower (%)
Not available.

Explosive limit - upper (%)
Not available.

Vapor pressure
Similar to water.

Vapor density
Similar to water.

Relative density
1.00 ± 0.01
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<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative density temperature</td>
<td>75 °F (23.9 °C)</td>
</tr>
<tr>
<td>Solubilities (water)</td>
<td>Soluble in water.</td>
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<tr>
<td>Partition Coefficient</td>
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</tr>
<tr>
<td>n-octanol/water</td>
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</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not Available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not Available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>&lt; 10 cP</td>
</tr>
<tr>
<td>Viscosity Temperature</td>
<td>75 °F (23.9 °C)</td>
</tr>
</tbody>
</table>

**Section 10 - Stability and reactivity**

- **Reactivity**: Not available.
- **Chemical stability**: Stable at normal conditions.
- **Possibility of hazardous reactions**: Hazardous polymerization does not occur.
- **Conditions to Avoid**: Contact with incompatible materials.
- **Incompatible materials**: Strong oxidizing agents.
- **Hazardous Decomposition Products**: Carbon oxides.

**Section 11 - Toxicological information**

**Information on likely routes of exposure**
- **Ingestion**: No adverse effects due to ingestion are expected.
- **Inhalation**: Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
- **Skin contact**: Prolonged or repeated skin contact may cause drying, cracking, or irritation.
- **Eye contact**: May cause eye irritation.
- **Symptoms related to the physical, chemical and toxicological characteristics**: Not available.

**Information on toxicological effects**
- **Acute toxicity**: Not expected to be hazardous.
- **Skin corrosion/irritation**: Prolonged or repeated contact may dry skin and cause irritation.
- **Serious eye damage/ eye irritation**: Causes eye irritation.
- **Respiratory sensitization**: Not classified.
- **Skin sensitization**: Not classified.
- **Germ cell mutagenicity**: Not classified.
- **Carcinogenicity**: Not classified.
- **Reproductive toxicity**: Not classified.
- **Specific target organ toxicity - single exposure**: Not classified.
- **Specific target organ toxicity - repeated exposure**: Not classified.
- **Aspiration hazard**: Not classified.

**Section 12 - Ecological Information**

- **Ecotoxicity**: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
- **Persistence and degradability**: The product is expected to be biodegradable.
- **Bioaccumulative potential**: Not known.
- **Mobility in soil**: Not available.
- **Mobility in general**: The product is water soluble and may spread in water systems.
- **Other adverse effects**: None known.

**Section 13 - Disposal considerations**

- **Disposal instructions**: Dispose in accordance with applicable federal, state, and local regulations.
- **Local disposal regulations**: Dispose of in accordance with local regulations.
- **Hazardous waste code**: Waste codes should be assigned by the user based on the application for which the product was used.
- **Waste from residues / unused products**: Dispose in accordance with all applicable regulations.
- **Contaminated packaging**: Since emptied containers may retain product residue, follow label warnings even after container is emptied.
Section 14 - Transport information

General Information

This product is customer diluted for on site use only. No transportation information is anticipated or provided. The regulatory transport classification of the product without consideration to dilution strength, packaging, quantity, or modal restrictions and exceptions cannot be anticipated. It is the user’s responsibility to determine the appropriate packaging and modal requirements and/or limitations for the product quantity being shipped.

Section 15 - Regulatory Information

US federal regulations

This product is not known to be a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D)  Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories
Immediate Hazard  No
Delayed Hazard  No
Fire Hazard  No
Pressure Hazard  No
Reactivity Hazard  No

SARA 302 Extremely hazardous substance  Not listed.
SARA 311/312 Hazardous chemical  No
SARA 313 (TRI reporting)  Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HSPs) List  Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)  Not regulated.
Safe Drinking Water Act (SDWA)  Not regulated.
Food and Drug Administration (FDA)  Not regulated.

US state regulations

US. Massachusetts RTK - Substance List  Not regulated.
US. New Jersey Worker and Community Right-to-Know Act  Not listed.
US. Pennsylvania RTK - Hazardous Substances  Not listed.
US. Rhode Island RTK  Not regulated.
US - California Proposition 65  California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory Name</th>
<th>On Inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
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</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
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<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
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<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
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<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
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<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
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<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
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<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
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<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances</td>
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<tr>
<td>United States Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>No</td>
</tr>
</tbody>
</table>

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16 - Other information, including date of preparation or last version

Revision date 1/17/2018
Version # 02
References HSDB® - Hazardous Substances Data Bank
HPVIS - High Production Volume Information System