SAFETY DATA SHEET

Section 1 - Identification

Product Identifier
RSC 11 SHA-ZYME RTU (1-32)

Other means of identification
4081 (1-32)

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.
**SAFETY DATA SHEET**

<table>
<thead>
<tr>
<th>Specific hazards arising from the chemical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special protective equipment and precautions for firefighters</td>
</tr>
<tr>
<td>Self-contained breathing apparatus and full protective clothing must be worn in case of fire.</td>
</tr>
<tr>
<td>Fire-fighting equipment/instructions</td>
</tr>
<tr>
<td>Move containers from fire area if you can do it without risk. Use water spray to keep fire-exposed containers cool.</td>
</tr>
<tr>
<td>General fire hazards</td>
</tr>
<tr>
<td>This product is not flammable or combustible.</td>
</tr>
</tbody>
</table>

### 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 spill 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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Relative density temperature 75 °F (23.9 °C)
Solubilities (water) Soluble in water.
Partition Coefficient n-octanol/water Not available
Auto-ignition temperature Not Available
Decomposition temperature Not Available
Viscosity < 10 cP
Viscosity Temperature 75 °F (23.9 °C)

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 can not 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.
US federal regulations
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.

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>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>No</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances</td>
<td>No</td>
</tr>
<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
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