SAFETY DATA SHEET

Section 1 - Identification

Product Identifier: BARE BONES® No-Rinse/No-Scrub Liquifying Stripper RTU (1-5, 1-16)
Other means of identification: 1058 (1-5, 1-16)
Recommended use: Floor finish remover RTU.
Recommended restrictions: For commercial and industrial use only. User prepared Ready-To-Use solution. 1:5 to 1:16 in water.

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

OSHA defined hazards: Not Classified.
Label Elements:

Physical Hazards:

Health Hazards:
Serious eye damage/eye irritation 2A
Skin corrosion/irritation 2

OSHA defined hazards:
Not Classified.

Hazard Symbol:

Signal Word: Warning
Hazard Statement: Causes serious eye irritation. Causes skin irritation. May be harmful if swallowed, in contact with skin or if inhaled. May cause respiratory irritation.

Precautionary statement:
Prevention: Do not breathe mist or vapor. Use only in well-ventilated areas. Wear protective gloves/clothing and eye/face protection. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Keep out of reach of children.
Response:
If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage: Store locked up. Store in a well-ventilated place. Keep cool.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC): Not classified.

Section 3 - Composition/Information on ingredients

Mixture:

Hazardous Components:
Ingredient Name | CAS # | %
--- | --- | ---
2-Butoxyethanol | 111-76-2 | 1 - 3
2-Amino Ethanol | 141-43-5 | 0.1 - 1.0

Section 4 - First-aid Measures

Inhalation: Move to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention immediately.

Skin contact: Remove contaminated clothing and shoes. Immediately flush skin with plenty of water. Get prompt medical attention. Wash contaminated clothing before reuse.

Eye contact: Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Check and
Ingestion
Remove contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.

Rinse mouth thoroughly with water. DO NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration. Call a physician or poison control center immediately.

Most Important symptoms /effects, acute and delayed
Causes skin irritation. Causes serious eye irritation. May cause respiratory tract irritation. Symptoms may be delayed.

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. Immediate medical attention is required. In case of shortness of breath, give oxygen. Keep victim warm.

Section 5 - Fire-fighting measures

Suitable extinguishing media
RTU product will not support combustion. Alcohol-resistant foam, water spray, or water fog.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical
None known.

Special protective equipment and precautions for firefighters
Wear suitable protective equipment. 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.

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
Contain spill. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Flush area with water.

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

Section 7 - Handling and storage

Precautions for safe handling
Do not get in eyes, on skin, or on clothing. Do not breathe mist or vapor. Keep container closed. Wash thoroughly after handling. Use Personal Protective Equipment recommended in section 8 of the SDS.

Conditions for safe storage, including any incompatibilities
Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials. Keep container closed. Keep out of reach of children.

Section 8 - Exposure control/personal protection

Occupational exposure limits

US. OSHA Table 2-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Amino Ethanol (CAS 141-43-5)</td>
<td>TWA</td>
<td>6 mg/m³, 3 ppm</td>
<td></td>
</tr>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td>TWA</td>
<td>240 mg/m³, 50 ppm</td>
<td></td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Component</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Amino Ethanol (CAS 141-43-5)</td>
<td>STEL</td>
<td>6 ppm</td>
<td></td>
</tr>
<tr>
<td>2-Amino Ethanol (CAS 141-43-5)</td>
<td>TWA</td>
<td>3 ppm</td>
<td></td>
</tr>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td>TWA</td>
<td>20 ppm</td>
<td></td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Amino Ethanol (CAS 141-43-5)</td>
<td>STEL</td>
<td>15 mg/m³, 6 ppm</td>
</tr>
<tr>
<td>2-Amino Ethanol (CAS 141-43-5)</td>
<td>TWA</td>
<td>8 mg/m³, 3 ppm</td>
</tr>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td>TWA</td>
<td>24 mg/m³, 5 ppm</td>
</tr>
</tbody>
</table>

US. ACGIH. BEIs. Biological Exposure Indices

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Determine</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td>200 mg/g</td>
<td>Butoxyacetic acid (BAA), with hydrolysis</td>
<td>Creatinine in urine</td>
<td>*</td>
</tr>
</tbody>
</table>

* - For sampling details, please see the source document.

Exposure guidelines

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

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Components
2-Butoxyethanol (CAS 111-76-2)
Can be absorbed through the skin.

US. Minnesota Hazardous Substances List (Minn. Rules 5206.0400).
SAFETY DATA SHEET

General hygiene considerations
Handle in accordance with good industrial hygiene and safety practice.

Respiratory protection
If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

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

Hand protection
Impervious gloves are recommended for prolonged use.

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.

US.NIOSH: Pocket Guide to Chemical Hazards
Component
2-Butoxyethanol (CAS 111-76-2)
Exposure
Can be absorbed though the skin.

US.OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.100)
Components
2-Butoxyethanol (CAS 111-76-2)
Exposure
Can be absorbed though the skin.

US.OSHA Table Z-1-A (29 CFR 1910.100)
Components
2-Butoxyethanol (CAS 111-76-2)
Exposure
Can be absorbed though the skin.

US.Tennessee. OELs Occupational Exposure Limitkits, Table Z1A
Components
2-Butoxyethanol (CAS 111-76-2)
Exposure
Can be absorbed though the skin.

Appropriate engineering controls
Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Provide easy access to water supply and eye wash facilities.

Section 9 - Physical and chemical properties

Appearance
Physical state
Liquid.
Form
Clear, thin liquid.
Color
Colorless to pale straw.
Odor
Sassafras.
Odor threshold
Not available.
pH
11.0 ± 0.2
Melting point/freezing point
Not available.
Initial boiling point and boiling range
212 °F (100 °C)
Flash point
>201°F (94°C) TCC
Evaporation rate
Not available.
Flammability (solid, gas)
Not applicable.
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
0.99 ± 0.01
Relative density temperature
75 °F (23.9 °C)
Solubilities (water)
100 % Soluble.
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)
SAFETY DATA SHEET

Section 10 - Stability and reactivity

<table>
<thead>
<tr>
<th>Reactivity</th>
<th>The product is non-reactive under normal conditions of use, storage and transport.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical stability</td>
<td>Stable at normal conditions.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>Hazardous polymerization does not occur.</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>Keep away from heat and direct sunlight. Contact with incompatible materials.</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>Oxidizing agents.</td>
</tr>
</tbody>
</table>

Section 11 - Toxicological information

Information on likely routes of exposure

- **Ingestion**: May cause irritation of the gastrointestinal tract if swallowed.
- **Inhalation**: Irritating to respiratory system.
- **Skin contact**: Causes skin irritation.
- **Eye contact**: Causes serious eye irritation.
- **Symptoms related to the physical, chemical and toxicological characteristics**: Causes skin irritation. Causes serious eye irritation. May cause respiratory tract irritation. Symptoms may be delayed.

**Acute toxicity**: May be harmful if inhaled, absorbed through skin, or swallowed.

<table>
<thead>
<tr>
<th>Components</th>
<th>Level</th>
<th>Type</th>
<th>Code</th>
<th>Species</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Amino Ethanol (CAS 141-43-5)</td>
<td>Acute</td>
<td>Dermal</td>
<td>LD50</td>
<td>Rabbit</td>
<td>1025 mg/kg</td>
</tr>
<tr>
<td>2-Amino Ethanol (CAS 141-43-5)</td>
<td>Acute</td>
<td>Oral</td>
<td>LD50</td>
<td>Rat</td>
<td>1715 mg/kg</td>
</tr>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td>Acute</td>
<td>Dermal</td>
<td>LD50</td>
<td>Rabbit</td>
<td>400 mg/kg</td>
</tr>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td>Acute</td>
<td>Inhalation</td>
<td>LC50</td>
<td>Mouse</td>
<td>700 ppm, 7 hours</td>
</tr>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td>Acute</td>
<td>Oral</td>
<td>LD50</td>
<td>Rat</td>
<td>450 mg/l, 4 hrs</td>
</tr>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td>Acute</td>
<td>Oral</td>
<td>LD50</td>
<td>Guinea pig</td>
<td>1.2 g/kg</td>
</tr>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td>Acute</td>
<td>Oral</td>
<td>LD50</td>
<td>Rabbit</td>
<td>0.32 g/kg</td>
</tr>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td>Acute</td>
<td>Oral</td>
<td>LD50</td>
<td>Rat</td>
<td>560 mg/kg</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation**: Causes skin irritation.

**Serious eye damage/eye irritation**: Causes serious eye irritation.

**Respiratory sensitization**: Not classified.

**Skin sensitization**: Not classified.

**Germ cell mutagenicity**: Not classified.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

<table>
<thead>
<tr>
<th>Component</th>
<th>Result</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td>3</td>
<td>Not classifiable as to carcinogenicity to humans.</td>
</tr>
</tbody>
</table>

**Reproductive toxicity**: Not classified.

**Specific target organ toxicity - single exposure**: Irritating to respiratory system.

**Specific target organ toxicity - repeated exposure**: Not classified.

**Aspiration hazard**: Not classified.

**Chronic effects**: 2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans. Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

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.

**Partition coefficient n-octanol / water log (Kow)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Amino Ethanol (CAS 141-43-5)</td>
<td>-1.31</td>
</tr>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td>0.83</td>
</tr>
</tbody>
</table>

**Mobility in soil**: Not available.

**Mobility in general**: The product is water soluble and may spread in water systems.
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.

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Section 12(b) Export Notification (40 CFR70, Subpt. D): Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4): Components
- 2-Butoxyethanol (CAS 111-76-2) Result: LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance: No
SARA 311/312 Hazardous chemical: Yes

SARA 313 (TRI reporting)

Chemical name: CAS # % by wt.
2-Butoxyethanol: 111-76-2 1 - 3

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.
Food and Drug Administration (FDA): Not regulated.

US state regulations:
US.Massachusetts RTK - Substance List
Components
- 2-Amino Ethanol (CAS 141-43-5)
- 2-Butoxyethanol (CAS 111-76-2)

US.New Jersey Worker and Community Right-to-Know Act
Components
- 2-Amino Ethanol (CAS 141-43-5)
- 2-Butoxyethanol (CAS 111-76-2)

US.Pennsylvania RTK - Hazardous Substances
Components
- 2-Amino Ethanol (CAS 141-43-5)
- 2-Butoxyethanol (CAS 111-76-2)

US.Rhode Island RTK
Components
- 2-Amino Ethanol (CAS 141-43-5)
- 2-Butoxyethanol (CAS 111-76-2)

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
Country(s) or region Inventory Name On Inventory (yes/no)*
Australia Australian Inventory of Chemical Substances (AICS) Yes
Canada Domestic Substances List (DSL) Yes

BARE BONES® No-Rinse/No-Scrub Liquifying Stripper RTU (1-5, 1-16) 1058 (1-5, 1-16)
SAFETY DATA SHEET

<table>
<thead>
<tr>
<th>Country</th>
<th>List Name</th>
<th>Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Zealand</td>
<td>Inventory of Existing Chemical Substances in New Zealand (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Existing China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>European</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>Yes</td>
</tr>
<tr>
<td>Non-Domestic</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances</td>
<td>Yes</td>
</tr>
<tr>
<td>United States</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</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

<table>
<thead>
<tr>
<th>Description</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision date</td>
<td>1/17/2018</td>
</tr>
<tr>
<td>Version #</td>
<td>02</td>
</tr>
<tr>
<td>Disclaimer</td>
<td>The information contained herein was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond the manufacturer's control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising from the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.</td>
</tr>
</tbody>
</table>