SAFETY DATA SHEET

Section 1 - Identification

Product Identifier
BARE BONES® No-Rinse/No-Scrub Liquifying Stripper

Other means of identification
1058

Recommended use
Floor finish remover.

Recommended restrictions
For commercial and industrial use only.

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

SDS Hazards and Warnings are based on the undiluted product. Refer to diluted SDS for Ready-To-Use Hazards and Warnings.

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Hazards</td>
<td>Not Classified</td>
</tr>
<tr>
<td>Health Hazards</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, dermal</td>
<td>4</td>
</tr>
<tr>
<td>Acute toxicity, inhalation</td>
<td>4</td>
</tr>
<tr>
<td>Acute toxicity, oral</td>
<td>4</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>1</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>1</td>
</tr>
<tr>
<td>Specific target organ toxicity, single exposure</td>
<td>3</td>
</tr>
<tr>
<td>TARGET ORGAN: respiratory tract irritation</td>
<td></td>
</tr>
</tbody>
</table>

OSHA defined hazards
Not Classified.

Label Elements

Hazard Symbol

Signal Word
Danger

Hazard Statement
Causes severe skin burns and eye damage. 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

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>Ingredient Name</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Amino Ethanol</td>
<td>141-43-5</td>
<td>5 - 10</td>
<td></td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>25 - 45</td>
<td></td>
</tr>
</tbody>
</table>

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 remove contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.

**Ingestion**
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 and eye burns. 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**
Carbon dioxide, alcohol-resistant foam, dry chemical, 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**

**US. OSHA Table Z-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-Butoxyethanol (CAS 111-76-2)</td>
<td>TWA</td>
<td>20 ppm</td>
<td></td>
</tr>
<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>
</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>Determinate</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.
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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.

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
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.

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

Section 9 - Physical and chemical properties

Appearance
Clear.

Physical state
Liquid.

Form
Liquid.

Color
Pale Straw.

Odor
Sassafras.

Odor threshold
Not available.

pH
11.7

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
0.97 ± 0.01

Relative density temperature
75 °F (23.9 °C)

Solubilities (water)
100 % Soluble.

Partition Coefficient n-octanol/water
Not available.
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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: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability: Stable at normal conditions.
Possibility of hazardous reactions: Hazardous polymerization does not occur.
Conditions to Avoid: Keep away from heat and direct sunlight. Contact with incompatible materials.
Incompatible materials: Oxidizing agents.

Section 11 - Toxicological information

Information on likely routes of exposure:
- Ingestion: May cause burns of the gastrointestinal tract if swallowed.
- Inhalation: Irritating to respiratory system. May cause burns in mucous membranes, throat, esophagus and stomach.
- Skin contact: Causes skin burns.
- Eye contact: Causes serious eye damage.
Symptoms related to the physical, chemical and toxicological characteristics:
- Causes skin and eye burns. May cause respiratory tract irritation. Symptoms may be delayed.

Information on toxicological effects.

Acute toxicity: 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></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></td>
<td>Acute</td>
<td>Inhalation</td>
<td>LC50</td>
<td>Mouse</td>
<td>700 ppm, 7 hours</td>
</tr>
<tr>
<td></td>
<td>Acute</td>
<td>Inhalation</td>
<td>LC50</td>
<td>Rat</td>
<td>450 mg/l, 4 hrs</td>
</tr>
<tr>
<td></td>
<td>Acute</td>
<td>Oral</td>
<td>LD50</td>
<td>Guinea pig</td>
<td>1.2 g/kg</td>
</tr>
<tr>
<td></td>
<td>Acute</td>
<td>Oral</td>
<td>LD50</td>
<td>Mouse</td>
<td>1519 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Acute</td>
<td>Oral</td>
<td>LD50</td>
<td>Rabbit</td>
<td>0.32 g/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Causes skin burns.
Serious eye damage/eye irritation: Causes serious eye damage.
Respiratory sensitization: Not classified.
Skin sensitization: Not classified.
Germ cell mutagenicity: Not classified.

IARC Monographs. Overall Evaluation of Carcinogenicity

Component | Result | Comment
---|---|---
2-Butoxyethanol (CAS 111-76-2) | 3 | Not classifiable as to carcinogenicity to humans.

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>
</table>

BARE BONES® No-Rinse/No-Scrub Liquifying Stripper 1058
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

DOT
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code
This substance/mixture is not intended to be transported in bulk.

Section 15 - Regulatory Information

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 CFR707, Subpt. D) Not regulated.


CERCLA Hazardous Substance List (40 CFR 302.4 Components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS #</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>25 - 45</td>
</tr>
</tbody>
</table>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

SARA 302 Extremely hazardous substance No
SARA 311/312 Hazardous chemical Yes
SARA 313 (TRI reporting)

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

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

US. New Jersey Worker and Community Right-to-Know Act

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

US. Pennsylvania RTK - Hazardous Substances

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

US. Rhode Island RTK

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

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to expose you to any chemicals currently listed as carcinogens or reproductive toxins.
<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>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</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>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</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>Yes</td>
</tr>
<tr>
<td>New Zealand</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).

**Disclaimer**

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.