NATIONAL CHEMICAL LABORATORIES, INC.

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

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

Section 4 - First-aid Measures
**SAFETY DATA SHEET**

**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**

**Occupational exposure limits**

| US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) |
|---------------------------------|--------|--------|
| **Components**                 | **Type** | **Value**        | **Form** |
| 2-Amino Ethanol (CAS 141-43-5) | TWA    | 6 mg/m³ , 3 ppm |
| 2-Butoxyethanol (CAS 111-76-2) | TWA    | 240 mg/m³ , 50 ppm |

| US. ACGIH Threshold Limit Values |
|---------------------------------|--------|--------|
| **Component**                  | **Type** | **Value**        |
| 2-Butoxyethanol (CAS 111-76-2) | TWA    | 20 ppm |
| 2-Amino Ethanol (CAS 141-43-5) | STEL   | 6 ppm |
| 2-Amino Ethanol (CAS 141-43-5) | TWA    | 3 ppm |

| US. NIOSH: Pocket Guide to Chemical Hazards |
|---------------------------------|--------|--------|
| **Components**                 | **Type** | **Value**        |
| 2-Amino Ethanol (CAS 141-43-5) | STEL   | 15 mg/m³ , 6 ppm |
| 2-Amino Ethanol (CAS 141-43-5) | TWA    | 8 mg/m³ , 3 ppm |
| 2-Butoxyethanol (CAS 111-76-2) | TWA    | 24 mg/m³ , 5 ppm |

| US. ACGIH. BEIs. Biological Exposure Indices |
|---------------------------------|--------|---------------------------------|----------------|---------|--------|
| **Components**                 | **Value** | **Determinate** | **Specimen** | **Sampling Time** |
| 2-Butoxyethanol (CAS 111-76-2) | 200 mg/g | Butoxyacetic acid (BAA), with hydrolysis | Creatinine in urine | * |

* - 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)
Exposure
Can be absorbed though the skin.

US. Minnesota Hazardous Substances List (Minn. Rules 5206.0400).
Components
2-Butoxyethanol (CAS 111-76-2)
Skin designation applies.

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. Rhode Island Hazardous Substances Right-to-Know Act (R.I. Gen. Laws Section 28-21-1 et. seq.)
Components
2-Butoxyethanol (CAS 111-76-2)
Exposure
Can be absorbed though the skin.

US. Tennessee. OELs Occupational Exposure Limkits, 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.

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.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

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

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
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**

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation May cause burns of the gastrointestinal tract if swallowed.
Ingestion May cause burns in mucous membranes, throat, esophagus and stomach.
Skin contact Causes skin burns.
Eye contact Causes serious eye damage.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

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

**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.
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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-Butoxyethanol (CAS 111-76-2)</td>
<td>0.83</td>
</tr>
<tr>
<td>2-Amino Ethanol (CAS 141-43-5)</td>
<td>-1.31</td>
</tr>
</tbody>
</table>

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

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 Result

2-Butoxyethanol (CAS 111-76-2) LISTED

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)

Chemical name CAS # % by wt.

2-Butoxyethanol 111-76-2 25 - 45

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 Components

2-Butoxyethanol (CAS 111-76-2)

2-Amino Ethanol (CAS 141-43-5)

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

2-Butoxyethanol (CAS 111-76-2)

2-Amino Ethanol (CAS 141-43-5)

US.Pennsylvania RTK - Hazardous Substances Components

2-Butoxyethanol (CAS 111-76-2)

2-Amino Ethanol (CAS 141-43-5)

US.Rhode Island RTK Components

2-Butoxyethanol (CAS 111-76-2)
2-Amino Ethanol (CAS 141-43-5)

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>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>
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<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>
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<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).

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

Revision date 1/17/2018
Version # 02
Disclaimer
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