SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : BLD - BUILT LAUNDRY DETERGENT
Product code : P217

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : LAUNDRY DETERGENT AND PH BOOSTER

1.3. Details of the supplier of the safety data sheet

CleanPak Products LLC.
5408 N 59th St.
Tampa, FL 33610
T 813-740-8611 - F 813-740-8218
admin@cleanpakproducts.com - www.cleanpakproducts.com

1.4. Emergency telephone number

Emergency number : 1-800-535-5053
InfoTrac

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification
Skin Corr. 1A H314
Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labelling
Hazard pictograms (GHS-US) : 

Signal word (GHS-US) : Danger
Hazard statements (GHS-US) : H314 - Causes severe skin burns and eye damage
Precautionary statements (GHS-US) : P260 - Do not breathe mist
P264 - Wash hands, forearms and face thoroughly after handling
P280 - Wear gloves and protective eyewear
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P363 - Wash contaminated clothing before reuse
P405 - Store locked up
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable
### 3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium hydroxide, conc=50%, aqueous solution</td>
<td>(CAS No) 1310-73-2</td>
<td>50 - 70</td>
<td>Skin Corr. 1A, H314</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

#### SECTION 4: First aid measures

4.1. **Description of first aid measures**

- **First-aid measures after inhalation:** Remove person to fresh air and keep comfortable for breathing.
- **First-aid measures after skin contact:** Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- **First-aid measures after eye contact:** Immediately rinse with water for a prolonged period while holding the eyelids wide open. Get immediate medical advice/attention.
- **First-aid measures after ingestion:** Drink plenty of water. Obtain emergency medical attention.

4.2. **Most important symptoms and effects, both acute and delayed**

No additional information available

4.3. **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

#### SECTION 5: Firefighting measures

5.1. **Extinguishing media**

Suitable extinguishing media: EXTINGUISHING MEDIA FOR SURROUNDING FIRES:

5.2. **Special hazards arising from the substance or mixture**

- **Reactivity:** Reacts violently with (strong) oxidizers. Reacts violently with (strong) acids.

5.3. **Advice for firefighters**

Protection during firefighting: Do not attempt to take action without suitable protective equipment.

#### SECTION 6: Accidental release measures

6.1. **Personal precautions, protective equipment and emergency procedures**

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. **Environmental precautions**

No additional information available

6.3. **Methods and material for containment and cleaning up**

- **For containment:** Plug the leak, cut off the supply.
- **Methods for cleaning up:** Liquid spill: neutralize.

6.4. **Reference to other sections**

No additional information available

#### SECTION 7: Handling and storage

7.1. **Precautions for safe handling**

Additional hazards when processed: May be corrosive to metals.

7.2. **Conditions for safe storage, including any incompatibilities**


7.3. **Specific end use(s)**

No additional information available

#### SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

<table>
<thead>
<tr>
<th>ACGIH</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

02/13/2015 EN (English)
**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

- **Physical state**: Liquid
- **Colour**: Light yellow to colourless
- **Odour**: No data available
- **Odour threshold**: No data available
- **pH**: 13 - 14
- **Relative evaporation rate (butylacetate=1)**: No data available
- **Melting point**: No data available
- **Freezing point**: No data available
- **Boiling point**: No data available
- **Flash point**: No data available
- **Auto-ignition temperature**: No data available
- **Decomposition temperature**: No data available
- **Flammability (solid, gas)**: No data available
- **Vapour pressure**: No data available
- **Relative vapour density at 20 °C**: No data available
- **Specific gravity**: ≈ 1.23
- **Solubility**: Soluble in water.
  - Water: Solubility in water of component(s) of the mixture:
    - sodium hydroxide, conc=50%, aqueous solution: Complete
    - nonylphenoxy poly(ethyleneoxy)ethanol: soluble
- **Log Pow**: No data available
- **Log Kow**: No data available
- **Viscosity, kinematic**: No data available
- **Viscosity, dynamic**: No data available
- **Explosive properties**: No data available
- **Oxidising properties**: No data available
- **Explosive limits**: No data available

**9.2. Other information**

No additional information available

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Reacts violently with (strong) oxidizers. Reacts violently with (strong) acids.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No additional information available

**10.4. Conditions to avoid**

No additional information available
## 10.5. Incompatible materials

Strong acids. Oxidizing agent.

## 10.6. Hazardous decomposition products

No additional information available

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Not classified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Causes severe skin burns and eye damage. pH: 13 - 14</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified pH: 13 - 14</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>sodium hydroxide, conc=50%, aqueous solution (1310-73-2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biodegradability: not applicable. No (test)data on mobility of the components available.</td>
</tr>
</tbody>
</table>

#### 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>sodium hydroxide, conc=50%, aqueous solution (1310-73-2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Does not contain bioaccumulative component(s).</td>
</tr>
</tbody>
</table>

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

<table>
<thead>
<tr>
<th>Effect on ozone layer</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Effect on the global warming</td>
<td>No known ecological damage caused by this product.</td>
</tr>
</tbody>
</table>

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations: May be discharged to wastewater treatment installation.

### SECTION 14: Transport information

In accordance with DOT

<table>
<thead>
<tr>
<th>Transport document description</th>
<th>UN1824 Sodium hydroxide solution, 8, III</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN-No.(DOT)</td>
<td>UN1824</td>
</tr>
<tr>
<td>Proper Shipping Name (DOT)</td>
<td>Sodium hydroxide solution</td>
</tr>
<tr>
<td>Department of Transportation (DOT) Hazard Classes</td>
<td>8 - Class 8 - Corrosive material 49 CFR 173.136</td>
</tr>
</tbody>
</table>
### Hazard labels (DOT)
- 8 - Corrosive

### Packing group (DOT)
- III - Minor Danger

### DOT Special Provisions (49 CFR 172.102)
- IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31H21 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).
- N34 - Aluminum construction materials are not authorized for any part of a packaging which is normally in contact with the hazardous material.

### DOT Packaging Exceptions (49 CFR 173.xxx)
- 154

### DOT Packaging Non Bulk (49 CFR 173.xxx)
- 203

### DOT Packaging Bulk (49 CFR 173.xxx)
- 241

### DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)
- 5 L

### DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)
- 60 L

### DOT Vessel Stowage Location
- A - The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel.

### DOT Vessel Stowage Other
- 52 - Stow “separated from” acids

### Additional information
- No supplementary information available.

### ADR
- No additional information available

### Transport by sea
- UN-No. (IMDG) : 1824
- Proper Shipping Name (IMDG) : SODIUM HYDROXIDE SOLUTION
- Class (IMDG) : 8 - Corrosives
- Packing group (IMDG) : III - substances presenting low danger

### Air transport
- UN-No.(IATA) : 1824
- Proper Shipping Name (IATA) : SODIUM HYDROXIDE SOLUTION
- Class (IATA) : 8 - Corrosives
- Packing group (IATA) : III - Minor Danger

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations
- No additional information available

#### 15.2. International regulations

##### CANADA

- EU-Regulations
  - Classification according to Regulation (EC) No. 1272/2008 [CLP]
  - Not classified
15.2.2. National regulations
No additional information available

15.3. US State regulations

SECTION 16: Other information

Full text of H-phrases:

<table>
<thead>
<tr>
<th>H314</th>
<th>Skin corrosion/irritation, Category 1A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Corr. 1A</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
</tbody>
</table>

HMIS III Rating

<table>
<thead>
<tr>
<th>Health</th>
<th>2 Moderate Hazard - Temporary or minor injury may occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>0 Minimal Hazard</td>
</tr>
<tr>
<td>Physical</td>
<td>1 Slight Hazard</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>B</td>
</tr>
</tbody>
</table>

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.