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

1.1. **Product identifier**
- Product form: Mixture
- Product name: LAUNDRY BREAK
- Product code: P206

1.2. **Relevant identified uses of the substance or mixture and uses advised against**
- Use of the substance/mixture: LAUNDRY 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):
    ![Hazard Pictogram](https://example.com/hazard.png)
  - 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>
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<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>LAUNDRY BREAK</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
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</table>

02/13/2015 EN (English)
sodium hydroxide, conc=50%, aqueous solution (1310-73-2)

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**8.2. Exposure controls**
- Appropriate engineering controls: Ensure good ventilation of the work station.
- Personal protective equipment: Gloves. Safety glasses.

**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
  - edetic acid: 0.05 g/100ml
- 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

Acute toxicity : Not classified
Skin corrosion/irritation : Causes severe skin burns and eye damage.
  pH: 13 - 14
Serious eye damage/irritation : Not classified
  pH: 13 - 14
Respiratory or skin sensitisation : 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
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>Persistence and degradability</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>Bioaccumulative potential</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects

Effect on ozone layer : 
Effect on the global warming : No known ecological damage caused by this product.

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

Transport document description : UN1824 Sodium hydroxide solution, 8, III
UN-No.(DOT) : UN1824
Proper Shipping Name (DOT) : Sodium hydroxide solution
Department of Transportation (DOT) Hazard Classes : 8 - Class 8 - Corrosive material 49 CFR 173.136
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 173.75) : 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
Other 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 - Corrosive substances
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]
Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]
Not classified
15.2. National regulations
No additional information available

15.3. US State regulations

SECTION 16: Other information

Full text of H-phrases:

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

HMIS III Rating
Health : 2 Moderate Hazard - Temporary or minor injury may occur
Flammability : 0 Minimal Hazard
Physical : 1 Slight Hazard
Personal Protection : B

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.