# BOUMATIC LLC

# Safety Data Sheet
# Guard 100

## SECTION 1: Identification

### 1.1 Product identifier

| | |
|---|---|
| Product name | Guard 100 |
| Product number | 8983012 |

### 1.2 Other means of identification
Alkaline Detergent Concentrate

### 1.4 Supplier's details

| | |
|---|---|
| Name | Boumatic LLC |
| Address | 2001 S. Stoughton<br>Madison, WI 53716<br>USA |
| Telephone | 608-222-3484 |
| email | SDS@BouMatic.com |

### 1.5 Emergency phone number(s)

24-Hour Emergency
1-800-255-3294 (U.S.)
001-813-248-0585 (International)

## SECTION 2: Hazard identification

**General hazard statement**
The product is classified and labeled according to the Globally Harmonized System (GHS).

### 2.1 Classification of the substance or mixture

**GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)**

- Skin corrosion/irritation, Cat. 1A

### 2.2 GHS label elements, including precautionary statements

**Pictogram**

**Signal word** **Danger**

**Hazard statement(s)**

| | |
|---|---|
| H314 | Causes severe skin burns and eye damage |

**Precautionary statement(s)**

| | |
|---|---|
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray. |
| P264 | Wash … thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| 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. |
| P310 | Immediately call a POISON CENTER/doctor/... |
| P321 | Specific treatment (see … on this label). |
| P363 | Wash contaminated clothing before reuse. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container to … |

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

**Hazardous components**

**1. Sodium hydroxide**

| | |
|---|---|
| Concentration | Not specified |
| EC no. | 215-185-5 |
| CAS no. | 1310-73-2 |
| Index no. | 011-002-00-6 |

- Skin corrosion/irritation, Cat. 1A

| | |
|---|---|
| H314 | Causes severe skin burns and eye damage |

**2. 2-Propenoic acid, telomer with sodium sulfite (1:1), sodium salt**

| | |
|---|---|
| Concentration | Not specified |
| CAS no. | 68479-09-4 |

## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

| | |
|---|---|
| General advice | Causes severe skin burns and eye damage. |
| If inhaled | If breathed in, move person into fresh air. If not breathing, give artificial respiration. |
| In case of skin contact | Wash off with soap and plenty of water. Consult a physician. |
| In case of eye contact | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |

If swallowed — Drink copious amounts of water and provide fresh air. Consult a physician.

Personal protective equipment for first-aid responders
No further relevant information available.

**4.2 Most important symptoms/effects, acute and delayed**
No further relevant information available.

**4.3 Indication of immediate medical attention and special treatment needed, if necessary**
No further relevant information available.

## SECTION 5: Fire-fighting measures

**5.1 Suitable extinguishing media**
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2 Specific hazards arising from the chemical**
No further relevant information available.

**5.3 Special protective actions for fire-fighters**
No special measures required.

**Further information**
No further relevant information available.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation. Use personal protective equipment. For personal protection see section 8.

**6.2 Environmental precautions**
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**6.3 Methods and materials for containment and cleaning up**
Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.

**Reference to other sections**
See section 7 for information on safe handling.
See section 8 for information on personal protection equipment.
See section 13 for disposal information.

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling**
Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation.

**7.2 Conditions for safe storage, including any incompatibilities**
Keep container tightly closed in a dry and well-ventilated place.

**Specific end use(s)**
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**1. Sodium hydroxide (CAS: 1310-73-2)**
PEL (Inhalation): 2 mg/m3; USA (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): (C) 2 mg/m3; USA (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): (C) 2 mg/m3; USA (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): (C) 2 mg/m3; USA (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

### 8.2 Appropriate engineering controls
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

**Eye/face protection**
Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**
The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests, no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of glove material on consideration of penetration times, rates of diffusion and degradation.

**Body protection**
The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**
In case of brief exposure or low pollution, use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

**Thermal hazards**
No data available

**Environmental exposure controls**
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## SECTION 9: Physical and chemical properties

**Information on basic physical and chemical properties**

| | |
|---|---|
| Appearance/form (physical state, color, etc.) | Liquid. Amber Colored. |
| Odor | Odorless |
| Odor threshold | Not determined |
| pH | Not determined |
| Melting point/freezing point | Undetermined |
| Initial boiling point and boiling range | 100 C (212 F) |
| Flash point | 101 C (214 F) |
| Evaporation rate | Not determined |

| | |
|---|---|
| Flammability (solid, gas) | Not applicable |
| Upper/lower flammability limits | Not determined |
| Upper/lower explosive limits | Not determined |
| Vapor pressure | at 20 C (68 F): 23 hPa (17 mm Hg) |
| Vapor density | Not determined |
| Relative density | 1.3490 g/mL |
| Solubility(ies) | Miscible and not difficult to mix. |
| Partition coefficient: n-octanol/water | Not determined |
| Auto-ignition temperature | Product is not self-igniting. |
| Decomposition temperature | Not determined |
| Viscosity | Not determined |
| Explosive properties | Product does not present an explosion hazard. |
| Oxidizing properties | |

## SECTION 10: Stability and reactivity

**10.3 Possibility of hazardous reactions**
No dangerous reactions known.

**10.4 Conditions to avoid**
No further relevant information available.

**10.5 Incompatible materials**

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Sodium hydroxide : Caustic soda reacts with all the mineral acids to form the corresponding salts. It also reacts with weak-acid gases, such as hydrogen sulfide, sulfur dioxide, and carbon dioxide. Caustic soda reacts with amphoteric metals (Al, Zn, Sn) and their oxides to form complex anions such as AlO2(-), ZnO2(-2), SNO2(-2), and H2 (or H2O with oxides). All organic acids also react with sodium hydroxide to form soluble salts. Another common reaction of caustic soda is dehydrochlorination.

**10.6 Hazardous decomposition products**

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Sodium hydroxide : Sodium oxides

## SECTION 11: Toxicological information

**Information on toxicological effects**

**Acute toxicity**
LD/LC 50 values that are relevant for classification:
1310-73-2 sodium hydroxide
Oral [LD 50] 2000 mg/kg (rat)

**Skin corrosion/irritation**
Causes severe skin burns.

**Serious eye damage/irritation**
Risk of serious damage to eyes.

**Respiratory or skin sensitization**
Strong caustic effect on skin and mucous membranes.

**Germ cell mutagenicity**

No data available

**Carcinogenicity**
IARC (International Agency for Research on Cancer): None of the ingredients listed.
NTP (National Toxicity Program): None of the ingredients listed.
OSHA-Ca (Occupational Safety & Health Administration: None of the ingredients listed.

**Reproductive toxicity**
No data available

**Summary of evaluation of the CMR properties**
Carcinogenic categories: IARC (International Agency for Research on Cancer), NTP (National Toxicology Program), OSHA-Ca (Occupational Safety and Health Administration): None of the ingredients listed.

**STOT-single exposure**
No data available

**STOT-repeated exposure**
No data available

**Aspiration hazard**
May be harmful if swallowed and enters airways

**Additional information**
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12: Ecological information

**Toxicity**
Aquatic toxicity: No further relevant information available.

**Persistence and degradability**
No further relevant information available.

**Bioaccumulative potential**
No further relevant information available.

**Mobility in soil**
No further relevant information available.

**Results of PBT and vPvB assessment**
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**
No further relevant information available.

## SECTION 13: Disposal considerations

**Disposal of the product**
Dispose of contents/ container in accordance with the local/regional/national/international regulations. Non Household Setting: Products covered by this SDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations.

**Disposal of contaminated packaging**
Disposal must be made according to official regulations.

**Waste treatment**
Disposal must be made according to official regulations.

**Sewage disposal**
Disposal must be made according to official regulations.

**Other disposal recommendations**
Disposal must be made according to official regulations.

## SECTION 14: Transport information

**DOT (US)**
UN Number: UN3266
Class: 8
Packing Group: II
Proper Shipping Name: UN3266, Corrosive Liquid, Inorganic, N.O.S. (Sodium Hydroxide)
Reportable quantity (RQ): N/A
Marine pollutant: No
Poison inhalation hazard: N/A

**IMDG**
UN Number: UN3266
Class: 8
Packing Group: II
EMS Number: F-A-S-B
Proper Shipping Name: UN3266, Corrosive Liquid, Inorganic, N.O.S. (Sodium Hydroxide)

**IATA**
UN Number: UN3266
Class: 8
Packing Group: II
Proper Shipping Name: UN3266, Corrosive Liquid, Inorganic, N.O.S. (Sodium Hydroxide)

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

**Massachusetts Right To Know Components**
Chemical name: Sodium hydroxide
CAS number: 1310-73-2

**New Jersey Right To Know Components**
Common name: Sodium hydroxide
CAS number: 1310-73-2

**Pennsylvania Right To Know Components**
Chemical name: Sodium hydroxide
CAS number: 1310-73-2

**SARA 302 Components**
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**
Acute Health Hazard

**California Prop. 65 Components**
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### 15.2 Chemical Safety Assessment
Keep out of reach of children. Read label before use. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required.

**HMIS Rating**

| Guard 100 | |
|---|---|
| HEALTH | 4 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | |

**NFPA Rating**


## SECTION 16: Other information

### 16.1 Further information/disclaimer
DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall BouMatic LLC be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if BouMatic LLC has been advised of the possibility of such damages.

### 16.2 Preparation information
This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.