



# SAFETY DATA SHEET

Sid Harvey Parts 4291-01, 4291-05, & 4291-08

SDS #Z0241

## 1. Product and Company Identification

|                                      |  |
|--------------------------------------|--|
| <b>Product identifier</b>            | <b>NU-BRITE (4291-01, 4291-05, 4291-08, 4891-08)</b>   |
| <b>Other means of identification</b> | Not available  |
| <b>Recommended use</b>               | Coil Cleaner / Degreaser   |
| <b>Recommended restrictions</b>      | None known.  |
| <b>Manufacturer information</b>      | Nu-Calgon<br>2611 Schuetz Road<br>St. Louis, MO 63043 US<br>Phone: 314-469-7000 / 800-554-5499<br>Emergency Phone: 1-800-424-9300 (CHEMTREC) |
| <b>Supplier</b>                      | See above.   |

## 2. Hazards Identification

|                                   |                                   |            |
|-----------------------------------|-----------------------------------|------------|
| <b>Physical hazards</b>           | Corrosive to metals               | Category 1 |
| <b>Health hazards</b>             | Skin corrosion/irritation         | Category 1 |
|                                   | Serious eye damage/eye irritation | Category 1 |
| <b>Environmental hazards</b>      | Not classified.                   |            |
| <b>WHMIS 2015 defined hazards</b> | Not classified                    |            |
| <b>Label elements</b>             |                                   |            |



**Signal word** Danger

**Hazard statement** May be corrosive to metals.  
Causes severe skin burns and eye damage.

**Precautionary statement**

**Prevention** Keep only in original packaging.  
Do not breathe mist or vapor. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

**Response** Absorb spillage to prevent material-damage. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Specific treatment (see information on this label).

**Storage** Store in a corrosion resistant container with a resistant inner liner.  
Store locked up.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)** None known

**WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)** None known

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** Not applicable.

## 3. Composition/Information on Ingredients

**Mixture**

| Chemical name       | Common name and synonyms | CAS number  | %     |
|---------------------|--------------------------|-------------|-------|
| Sodium hydroxide    |                          | 1310-73-2   | 15-40 |
| Alkyl polyglycoside |                          | 110615-47-9 | 1-5   |

**Composition comments**

US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

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**4. First Aid Measures**

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|   |  |
|---|--|
| <b>Inhalation</b>   | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.  |
| <b>Skin contact</b>   | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Specific treatment (see information on this label). Wash contaminated clothing before reuse. Immediately call a POISON CENTER/doctor.   |
| <b>Eye contact</b>  | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.  |
| <b>Ingestion</b>  | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.  |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Symptoms may be delayed.  |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Use of an impervious apron is recommended. Avoid contact with eyes and skin. Wear rubber gloves and chemical splash goggles. Keep out of reach of children. |

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**5. Fire Fighting Measures**

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|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Treat for surrounding material.   |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                          |
| <b>Specific hazards arising from the chemical</b>                    | Firefighters should wear a self-contained breathing apparatus.                                  |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters should wear full protective clothing including self contained breathing apparatus. |
| <b>Fire-fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk.                                   |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.      |
| <b>Hazardous combustion products</b>                                 | May include and are not limited to: Oxides of carbon.   |

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**6. Accidental Release Measures**

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|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep out of low areas. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.  |
| <b>Methods and materials for containment and cleaning up</b>               | Large Spills: Stop leak if you can do so without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb spillage to prevent material damage. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. |
| <b>Environmental precautions</b>   | Never return spills to original containers for re-use.<br>Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.   |

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**7. Handling and Storage**

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|   |   |
|---|---|
| <b>Precautions for safe handling</b>                                | Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash thoroughly after handling. Ensure adequate ventilation. Do not get in eyes, on skin or on clothing. Use good industrial hygiene practices in handling this material. Keep container tightly closed. Avoid breathing vapors or mists of this product. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store locked up. Store in a corrosion resistant container with a resistant inner liner. Store in a closed container away from incompatible materials. Keep only in the original container. Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (see Section 10 of the SDS).                   |

## 8. Exposure Controls/Personal Protection

### Occupational exposure limits

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

| Components                       | Type    | Value   |
|----------------------------------|---------|---------|
| Sodium hydroxide (CAS 1310-73-2) | Ceiling | 2 mg/m3 |

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

| Components                       | Type    | Value   |
|----------------------------------|---------|---------|
| Sodium hydroxide (CAS 1310-73-2) | Ceiling | 2 mg/m3 |

#### Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

| Components                       | Type    | Value   |
|----------------------------------|---------|---------|
| Sodium hydroxide (CAS 1310-73-2) | Ceiling | 2 mg/m3 |

#### Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

| Components                       | Type    | Value   |
|----------------------------------|---------|---------|
| Sodium hydroxide (CAS 1310-73-2) | Ceiling | 2 mg/m3 |

#### Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

| Components                       | Type    | Value   |
|----------------------------------|---------|---------|
| Sodium hydroxide (CAS 1310-73-2) | Ceiling | 2 mg/m3 |

#### Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)

| Components                       | Type    | Value   |
|----------------------------------|---------|---------|
| Sodium hydroxide (CAS 1310-73-2) | Ceiling | 2 mg/m3 |

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components                       | Type | Value   |
|----------------------------------|------|---------|
| Sodium hydroxide (CAS 1310-73-2) | PEL  | 2 mg/m3 |

#### US. ACGIH Threshold Limit Values

| Components                       | Type    | Value   |
|----------------------------------|---------|---------|
| Sodium hydroxide (CAS 1310-73-2) | Ceiling | 2 mg/m3 |

#### US. NIOSH: Pocket Guide to Chemical Hazards

| Components                       | Type    | Value   |
|----------------------------------|---------|---------|
| Sodium hydroxide (CAS 1310-73-2) | Ceiling | 2 mg/m3 |

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Exposure guidelines

Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH.

### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Wear chemical goggles.

#### Skin protection

##### Hand protection

Rubber gloves. Confirm with a reputable supplier first.

##### Other

Wear appropriate chemical resistant clothing. As required by employer code. Rubber apron recommended.

#### Respiratory protection

Avoid breathing mists or vapors.

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

#### Thermal hazards

Not applicable.

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Wash hands before breaks and immediately after handling the product.

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**9. Physical and Chemical Properties**

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|   |                               |
|---|-------------------------------|
| <b>Appearance</b>                                   | Liquid                        |
| <b>Physical state</b>                               | Liquid.                       |
| <b>Form</b>   | Liquid.                       |
| <b>Color</b>  | Blue                          |
| <b>Odor</b>   | Characteristic, Mild          |
| <b>Odor threshold</b>                               | Not available.                |
| <b>pH</b>   | 12.7 (1%)<br>14 (Concentrate) |
| <b>Melting point/freezing point</b>                 | 32 °F (0 °C)                  |
| <b>Initial boiling point and boiling range</b>      | 212 °F (100 °C)               |
| <b>Pour point</b>                                   | Not available.                |
| <b>Specific gravity</b>                             | 1.24                          |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available                 |
| <b>Flash point</b>                                  | None to boiling               |
| <b>Evaporation rate</b>                             | Equal to water                |
| <b>Flammability (solid, gas)</b>                    | Not applicable.               |
| <b>Upper/lower flammability or explosive limits</b> |                               |
| <b>Flammability limit - lower (%)</b>               | Not available                 |
| <b>Flammability limit - upper (%)</b>               | Not available                 |
| <b>Explosive limit - lower (%)</b>                  | Not available.                |
| <b>Explosive limit - upper (%)</b>                  | Not available.                |
| <b>Vapor pressure</b>                               | Not available                 |
| <b>Vapor density</b>                                | Not available                 |
| <b>Relative density</b>                             | Not available.                |
| <b>Solubility(ies)</b>                              | Complete                      |
| <b>Auto-ignition temperature</b>                    | Not available                 |
| <b>Decomposition temperature</b>                    | Not available.                |
| <b>Viscosity</b>                                    | Water thin                    |
| <b>Other information</b>                            |                               |
| <b>Bulk density</b>                                 | 10.36 lb/gal                  |
| <b>VOC (Weight %)</b>                               | None                          |

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**10. Stability and Reactivity**

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|   |  |
|---|--|
| <b>Reactivity</b>                         | Reacts violently with acids. This product may react with oxidizing agents.   |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.   |
| <b>Chemical stability</b>                 | Stable under recommended storage conditions.   |
| <b>Conditions to avoid</b>                | Do not mix with other chemicals. Hazardous vapours may be produced when mixed with chlorinated detergents or sanitizers. |
| <b>Incompatible materials</b>             | Oxidizing agents. Acids.   |
| <b>Hazardous decomposition products</b>   | May include and are not limited to: Oxides of carbon.  |

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**11. Toxicological Information**

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|   |   |
|---|---|
| <b>Routes of exposure</b>                       | Eye, Skin contact, Inhalation, Ingestion. |
| <b>Information on likely routes of exposure</b> |   |
| <b>Ingestion</b>                                | Causes digestive tract burns.             |

|   |   |
|---|---|
| <b>Inhalation</b>   | Prolonged inhalation may be harmful. May cause irritation to the respiratory system.  |
| <b>Skin contact</b>   | Causes severe skin burns.   |
| <b>Eye contact</b>  | Causes serious eye damage.  |
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. |

**Information on toxicological effects**

**Acute toxicity**

| <b>Components</b>                     | <b>Species</b> | <b>Test Results</b> |
|---------------------------------------|----------------|---------------------|
| Alkyl polyglycoside (CAS 110615-47-9) |                |                     |
| <b>Acute</b>                          |                |                     |
| <i>Dermal</i>                         |                |                     |
| LD50                                  | Rabbit         | > 2000 mg/kg        |
| <i>Inhalation</i>                     |                |                     |
| LC50                                  | Not available  |                     |
| <i>Oral</i>                           |                |                     |
| LD50                                  | Rat            | > 5000 mg/kg        |
| Sodium hydroxide (CAS 1310-73-2)      |                |                     |
| <b>Acute</b>                          |                |                     |
| <i>Dermal</i>                         |                |                     |
| LD50                                  | Rabbit         | 1350 mg/kg          |
| <i>Inhalation</i>                     |                |                     |
| LC50                                  | Not available  |                     |
| <i>Oral</i>                           |                |                     |
| LD50                                  | Not available  |                     |

**Skin corrosion/irritation** Causes severe skin burns and eye damage.

**Exposure minutes** Not available.

**Erythema value** Not available.

**Oedema value** Not available.

**Serious eye damage/eye irritation** Causes serious eye damage.

**Corneal opacity value** Not available.

**Iris lesion value** Not available.

**Conjunctival reddening value** Not available.

**Conjunctival oedema value** Not available.

**Recover days** Not available.

**Respiratory or skin sensitization**

**Canada - Alberta OELs: Irritant**

Sodium hydroxide (CAS 1310-73-2) Irritant

**Respiratory sensitization** Not available.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Mutagenicity** Non-hazardous by WHMIS/OSHA criteria.

**Carcinogenicity** Non-hazardous by WHMIS/OSHA criteria.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Reproductive toxicity** Non-hazardous by WHMIS/OSHA criteria.

**Teratogenicity** Non-hazardous by WHMIS/OSHA criteria.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not available.

**Chronic effects** Prolonged inhalation may be harmful. Non-hazardous by WHMIS/OSHA criteria.

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## 12. Ecological Information

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|                                      |   |   |                              |
|--------------------------------------|---|---|------------------------------|
| <b>Ecotoxicity</b>                   | Components of this product have been identified as having potential environmental concerns. See below   |   |                              |
| <b>Ecotoxicological data</b>         |   |   |                              |
| <b>Components</b>                    |   | <b>Species</b>                          | <b>Test Results</b>          |
| Sodium hydroxide (CAS 1310-73-2)     |   |   |                              |
| <b>Aquatic</b>                       |   |   |                              |
| Crustacea                            | EC50  | Water flea (Ceriodaphnia dubia)         | 34.59 - 47.13 mg/L, 48 hours |
| Fish                                 | LC50  | Western mosquitofish (Gambusia affinis) | 125 mg/L, 96 hours           |
| <b>Persistence and degradability</b> | No data is available on the degradability of this product.  |   |                              |
| <b>Bioaccumulative potential</b>     | No data available.  |   |                              |
| <b>Mobility in soil</b>              | No data available.  |   |                              |
| <b>Mobility in general</b>           | Not available.  |   |                              |
| <b>Other adverse effects</b>         | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |   |                              |

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## 13. Disposal Considerations

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|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.   |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.   |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).   |
| <b>Contaminated packaging</b>                | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.   |

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## 14. Transport Information

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**Transport of Dangerous Goods (TDG) Proof of Classification** In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue.

### U.S. Department of Transportation (DOT)

#### Basic shipping requirements:

|                             |  |
|-----------------------------|--|
| <b>UN number</b>            | UN3266                                     |
| <b>Proper shipping name</b> | Corrosive liquid, basic, inorganic, n.o.s. |
| <b>Technical name</b>       | Sodium hydroxide                           |
| <b>Hazard class</b>         | 8  |
| <b>Packing group</b>        | II   |
| <b>Special provisions</b>   | 386, B2, IB2, T11, TP2, TP27               |
| <b>Packaging exceptions</b> | 154  |
| <b>Packaging non bulk</b>   | 202  |
| <b>Packaging bulk</b>       | 242  |

### Transportation of Dangerous Goods (TDG - Canada)

#### Basic shipping requirements:

|                             |  |
|-----------------------------|--|
| <b>UN number</b>            | UN3266                                     |
| <b>Proper shipping name</b> | CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. |
| <b>Technical name</b>       | SODIUM HYDROXIDE                           |
| <b>Hazard class</b>         | 8  |
| <b>Packing group</b>        | II   |
| <b>Special provisions</b>   | 16   |
| <b>Packaging exceptions</b> | <1L - Limited Quantity                     |

### IATA/ICAO (Air)

#### Basic shipping requirements:

|                             |  |
|-----------------------------|--|
| <b>UN number</b>            | UN3266                                     |
| <b>Proper shipping name</b> | Corrosive liquid, basic, inorganic, n.o.s. |
| <b>Technical name</b>       | Sodium hydroxide                           |
| <b>Hazard class</b>         | 8  |
| <b>Packing group</b>        | II   |

**IMDG (Marine Transport)****Basic shipping requirements:**

|                             |  |
|-----------------------------|--|
| <b>UN number</b>            | UN3266                                     |
| <b>Proper shipping name</b> | CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. |
| <b>Technical name</b>       | Sodium hydroxide                           |
| <b>Hazard class</b>         | 8  |
| <b>Packing group</b>        | II   |

**DOT****IATA; IMDG; TDG**


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**15. Regulatory Information**


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**Canadian federal regulations** This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (SOR/2015-17) and the SDS contains all the information required by the HPR.

**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

Not regulated.

**WHMIS 2015 Exemptions** Not applicable

**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 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Sodium hydroxide (CAS 1310-73-2) Listed.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

|                          |   |
|--------------------------|---|
| <b>Hazard categories</b> | Immediate Hazard - Yes<br>Delayed Hazard - No<br>Fire Hazard - No<br>Pressure Hazard - No<br>Reactivity Hazard - No |
|--------------------------|---|

|   |    |
|---|----|
| <b>SARA 302 Extremely hazardous substance</b> | No |
|---|----|

|  |    |
|--|----|
| <b>SARA 311/312 Hazardous chemical</b> | No |
|--|----|

|                                 |                |
|---------------------------------|----------------|
| <b>SARA 313 (TRI reporting)</b> | Not regulated. |
|---------------------------------|----------------|

**Other federal regulations**

|   |                |
|---|----------------|
| <b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</b> | Not regulated. |
|---|----------------|

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Clean Water Act (CWA) Section 112(r) (40 CFR 68.130)** Hazardous substance

**US state regulations**

**US - California Hazardous Substances (Director's): Listed substance**

Sodium hydroxide (CAS 1310-73-2) Listed.

**US - Illinois Chemical Safety Act: Listed substance**

Sodium hydroxide (CAS 1310-73-2)

**US - Louisiana Spill Reporting: Listed substance**

Sodium hydroxide (CAS 1310-73-2) Listed.

**US - Minnesota Haz Subs: Listed substance**

Sodium hydroxide (CAS 1310-73-2) Listed.

**US - New Jersey RTK - Substances: Listed substance**

Sodium hydroxide (CAS 1310-73-2)

**US - Texas Effects Screening Levels: Listed substance**

Sodium hydroxide (CAS 1310-73-2) Listed.

**US. Massachusetts RTK - Substance List**

Sodium hydroxide (CAS 1310-73-2)

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

Not regulated.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Sodium hydroxide (CAS 1310-73-2)

**US. Rhode Island RTK**

Sodium hydroxide (CAS 1310-73-2)

**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.

**Inventory status**

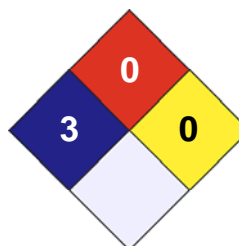
| Country(s) or region        | Inventory name                                | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Canada                      | Domestic Substances List (DSL)                | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)           | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. Other Information**

| LEGEND   |   |
|----------|---|
| Severe   | 4 |
| Serious  | 3 |
| Moderate | 2 |
| Slight   | 1 |
| Minimal  | 0 |

|                     |     |
|---------------------|-----|
| HEALTH              | / 3 |
| FLAMMABILITY        | 0   |
| PHYSICAL HAZARD     | 0   |
| PERSONAL PROTECTION | X   |



**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

**Issue date** 31-October-2016

**Version #** 01

**Effective date** 31-October-2016

**Prepared by** Nu-Calgon Technical Service Phone: (314) 469-7000

**Other information** For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.





# Safety Data Sheet

Issue Date: 22-Oct-2013

Revision Date: 28-Oct-2013

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Nu-Brite

### Other means of identification

**Part Number** 4291-01, 4291-05, 4291-08.

### Recommended use of the chemical and restrictions on use

**Recommended Use** Coil cleaner/degreaser. For professional use only.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Nu-Calgon  
2008 Altom Court  
St. Louis, MO 63146  
www.nucalgon.com

### Emergency Telephone Number

**Company Phone Number** (314) 469-7000  
(800) 554-5499  
**Emergency Telephone (24 hr)** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear blue liquid      **Physical State** Liquid      **Odor** Bland

### Classification

|                                   |                           |
|-----------------------------------|---------------------------|
| Skin corrosion/irritation         | Category 1 Sub-category B |
| Serious eye damage/eye irritation | Category 1                |

### Signal Word

**Danger**

### Hazard Statements

Causes severe skin burns and eye damage



### Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

Immediately call a poison center or doctor/physician  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a poison center or doctor/physician  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a poison center or doctor/physician  
 IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
 Immediately call a poison center or doctor/physician

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Unknown Acute Toxicity**

4.3% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name    | CAS No    | Weight-% |
|------------------|-----------|----------|
| Sodium hydroxide | 1310-73-2 | 15-25    |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

**4. FIRST-AID MEASURES**

**First Aid Measures**

- Eye Contact** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
- Skin Contact** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
- Inhalation** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
- Ingestion** IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

**Most important symptoms and effects**

**Symptoms** Causes severe skin burns and eye damage.

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

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Material is corrosive.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

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

**Personal Precautions** Use personal protective equipment as required.

**Environmental Precautions** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

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

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling.

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

**Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Keep out of the reach of children.

**Incompatible Materials** Acids. Oxidizing agents. Bleach. Do not mix with other chemicals or cleaners.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

| Chemical Name                 | ACGIH TLV                    | OSHA PEL   | NIOSH IDLH   |
|-------------------------------|------------------------------|--|--|
| Sodium hydroxide<br>1310-73-2 | Ceiling: 2 mg/m <sup>3</sup> | TWA: 2 mg/m <sup>3</sup><br>(vacated) Ceiling: 2 mg/m <sup>3</sup> | IDLH: 10 mg/m <sup>3</sup><br>Ceiling: 2 mg/m <sup>3</sup> |

**Appropriate engineering controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Showers.

**Individual protection measures, such as personal protective equipment**

- Eye/Face Protection**                      Wear approved safety goggles where a splash hazard exists.
- Skin and Body Protection**                Wear suitable protective clothing.
- Respiratory Protection**                    Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection.
- General Hygiene Considerations** Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

|                                     |   |                         |                |
|-------------------------------------|---|-------------------------|----------------|
| <b>Physical State</b>               | Liquid                                    | <b>Odor</b>             | Bland          |
| <b>Appearance</b>                   | Clear blue liquid                         | <b>Odor Threshold</b>   | Not determined |
| <b>Color</b>                        | Clear blue                                |                         |                |
| <b>Property</b>                     | <b>Values</b>                             | <b>Remarks • Method</b> |                |
| <b>pH</b>                           | 12.7 (1% in water);<br>14.0 (concentrate) |                         |                |
| <b>Melting Point/Freezing Point</b> | Not determined                            |                         |                |
| <b>Boiling Point/Boiling Range</b>  | 100 °C / 212 °F                           | IBP                     |                |
| <b>Flash Point</b>                  | None to boiling                           | Tag Closed Cup          |                |
| <b>Evaporation Rate</b>             | Equal to water                            |                         |                |
| <b>Flammability (Solid, Gas)</b>    | Liquid-not applicable                     |                         |                |
| <b>Upper Flammability Limits</b>    | Not determined                            |                         |                |
| <b>Lower Flammability Limit</b>     | Not determined                            |                         |                |
| <b>Vapor Pressure</b>               | Not determined                            |                         |                |
| <b>Vapor Density</b>                | Not determined                            |                         |                |
| <b>Specific Gravity</b>             | 1.24                                      |                         |                |
| <b>Water Solubility</b>             | Soluble in water                          |                         |                |
| <b>Solubility in other solvents</b> | Not determined                            |                         |                |
| <b>Partition Coefficient</b>        | Not determined                            |                         |                |
| <b>Auto-ignition Temperature</b>    | Not determined                            |                         |                |
| <b>Decomposition Temperature</b>    | Not determined                            |                         |                |
| <b>Kinematic Viscosity</b>          | Not determined                            |                         |                |
| <b>Dynamic Viscosity</b>            | Water thin (<5 cps)                       |                         |                |
| <b>Explosive Properties</b>         | Not determined                            |                         |                |
| <b>Oxidizing Properties</b>         | Not determined                            |                         |                |
| <b>VOC Content (%)</b>              | None                                      |                         |                |
| <b>Density</b>                      | 10.36 lb/gal                              |                         |                |

**10. STABILITY AND REACTIVITY**

**Reactivity**  
Not reactive under normal conditions.

**Chemical Stability**  
Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**  
None under normal processing.

**Hazardous Polymerization**                Hazardous polymerization does not occur.

**Conditions to Avoid**

Keep out of reach of children. Do not mix with other chemicals.

**Incompatible Materials**

Acids. Oxidizing agents. Bleach. Do not mix with other chemicals or cleaners.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

**Eye Contact** Causes severe eye damage.

**Skin Contact** Causes severe skin burns.

**Inhalation** Avoid breathing vapors or mists.

**Ingestion** Do not taste or swallow.

**Component Information**

| Chemical Name                 | Oral LD50          | Dermal LD50             | Inhalation LC50 |
|-------------------------------|--------------------|-------------------------|-----------------|
| Water<br>7732-18-5            | > 90 mL/kg ( Rat ) | -                       | -               |
| Sodium hydroxide<br>1310-73-2 | -                  | = 1350 mg/kg ( Rabbit ) | -               |

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity**

Not determined

**Unknown Acute Toxicity** 4.3% of the mixture consists of ingredient(s) of unknown toxicity.

**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.

**Component Information**

| Chemical Name                 | Algae/aquatic plants | Fish  | Toxicity to microorganisms | Crustacea |
|-------------------------------|----------------------|---|----------------------------|-----------|
| Sodium hydroxide<br>1310-73-2 |                      | 45.4: 96 h Oncorhynchus mykiss mg/L LC50 static |                            |           |

**Persistence/Degradability**

Biodegradable.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

| Chemical Name                 | California Hazardous Waste Status |
|-------------------------------|-----------------------------------|
| Sodium hydroxide<br>1310-73-2 | Toxic<br>Corrosive                |

**14. TRANSPORT INFORMATION**

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

When shipped domestically by ground in containers of 1 liter or less this material may be reclassified as "Limited Quantity" in accordance with DOT regulation 49CFR173.154.

Please see 49CFR172.500 for appropriate transportation placarding and 49CFR172.400 for appropriate transportation labeling.

**DOT**

**UN/ID No** UN3266  
**Proper Shipping Name** Corrosive liquid, basic, inorganic, n.o.s. (Sodium Hydroxide)  
**Hazard Class** 8  
**Packing Group** II

**IATA**

**UN/ID No** UN3266  
**Proper Shipping Name** Corrosive liquid, basic, inorganic, n.o.s. (Sodium Hydroxide)  
**Hazard Class** 8  
**Packing Group** II

**IMDG**

**UN/ID No** UN3266  
**Proper Shipping Name** Corrosive liquid, basic, inorganic, n.o.s. (Sodium Hydroxide)  
**Hazard Class** 8  
**Packing Group** II

**15. REGULATORY INFORMATION**

**International Inventories**

Not determined

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances*

*IECSC - China Inventory of Existing Chemical Substances*

*KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

**US Federal Regulations**

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name                 | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                  |
|-------------------------------|--------------------------|----------------|---|
| Sodium hydroxide<br>1310-73-2 | 1000 lb                  |                | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Component                               | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---|-----------------------------|------------------------|---------------------------|----------------------------|
| Sodium hydroxide<br>1310-73-2 ( 15-25 ) | 1000 lb                     |                        |                           | X                          |

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name                 | New Jersey | Massachusetts | Pennsylvania |
|-------------------------------|------------|---------------|--------------|
| Sodium hydroxide<br>1310-73-2 | X          | X             | X            |

**16. OTHER INFORMATION**

|                    |                            |                          |                              |                                 |
|--------------------|----------------------------|--------------------------|------------------------------|---------------------------------|
| <u><b>NFPA</b></u> | <b>Health Hazards</b><br>3 | <b>Flammability</b><br>0 | <b>Instability</b><br>0      | <b>Special Hazards</b><br>Cor   |
| <u><b>HMIS</b></u> | <b>Health Hazards</b><br>3 | <b>Flammability</b><br>0 | <b>Physical Hazards</b><br>0 | <b>Personal Protection</b><br>X |

Issue Date: 22-Oct-2013  
 Revision Date: 28-Oct-2013  
 Revision Note: New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**





# MATERIAL SAFETY DATA SHEET

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|   |  |  |                                  |                                  |
|---|--|--|----------------------------------|----------------------------------|
| <b>Company Name</b><br>Nu-Calgon Wholesaler, Inc. | <b>Phone Number</b><br>(314) 469-7000 / (800) 554-5499 | <b>CHEMTREC</b><br>(800) 424-9300            |                                  |                                  |
| <b>Street Address</b><br>2008 Altom Court         | <b>City</b><br>St. Louis                               | <b>State</b><br>MO                           | <b>Postal Code</b><br>63146-4151 | <b>Last Update</b><br>1/25/07    |
| <b>Product Name</b><br>Nu-Brite                   | <b>Product Number</b><br>4291                          | <b>Product Use</b><br>Coil Cleaner/Degreaser |                                  | <b>EPA Registration #</b><br>N/A |

## SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

| <b>Hazardous Ingredients</b>    | <b>% By Wt.</b> | <b>CAS Number</b> | <b>TLV</b>        | <b>PEL</b>       |
|---------------------------------|-----------------|-------------------|-------------------|------------------|
| Sodium Hydroxide (Caustic Soda) | 20-30%          | 1310-73-2         | 2mg/M3 (TWA/STEL) | 2 mg/M3          |
| Nonionic Surfactant             | 1-10%           | Proprietary       | None Established  | None Established |
|                                 |                 |                   |                   |                  |
|                                 |                 |                   |                   |                  |

## SECTION 3 – HAZARD IDENTIFICATION

**Emergency Overview:** CORROSIVE LIQUID. Contains Sodium Hydroxide. Do not get in eyes, on skin or clothing. Avoid breathing spray or mist. Use only with adequate personal protection equipment.

### **Potential Health Effects**

**Eyes:** Prolonged contact with eyes will cause severe irritation, possibly burns and permanent damage.

**Skin:** Contact with skin can cause severe irritation with pain, possibly produce severe chemical burns and destroy tissues; irritation may be delayed.

**Ingestion:** Harmful or fatal if swallowed - causes severe burns of the mouth, throat and stomach if ingested.

**Inhalation:** Inhalation of generated mists or spray may cause respiratory irritation or chemical burns of mouth, throat, and stomach.

**Chronic Exposure:** Chronic local effect may consist of multiple areas of superficial destruction of the skin or of primary irritant dermatitis.

**Carcinogenicity:** None

**Medical Conditions Aggravated by Exposure:** An existing dermatitis and respiratory illnesses.

## SECTION 4 – FIRST AID MEASURES

**Eyes:** Flush eyes with water for at least 30 minutes and call a physician immediately. Speed of action is essential.

**Skin:** Remove contaminated clothing. Wash with large amounts of soap and water. If skin still feels slippery or if irritation persists, continue washing. Consult a physician in the case of any prolonged irritation.

**Ingestion:** Do not induce vomiting. Immediately give large quantities of water or (preferably) milk and call a physician. Speed of action is essential.

**Inhalation:** Remove to fresh air. Start artificial respiration if necessary. Oxygen may be administered. Call a physician.

## SECTION 5 – FIREFIGHTING MEASURES

**Flash Point:** None to Boiling °F

**Autoignition Temp:** N/A°C/N/A°F

**Hazardous Products of Combustion:** Burning may produce oxides of carbon and other substances.

**Flammable Limits in Air:** N/A

**Extinguishing Media:** This product is not combustible. Water spray, foam, CO<sub>2</sub>, or dry chemicals may be used in areas where this product is stored.

**Fire and Explosion Hazards:** None

**Special Firefighting Procedures:** Do not enter confined fire spaces without protective clothing and a self-contained air supply.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Spill or Leak:** CORROSIVE LIQUID. Before attempting clean up, refer to personal protection information. Do not touch or walk through spilled material. Stop leak if you can without risk. Dike ahead of large spills to prevent run-off. Mop, pump or take up with sand or other inert absorbent and reclaim into containers for reuse, recycle or proper disposal.

## SECTION 7 – HANDLING AND STORAGE

**Handling Procedures and Equipment:** CORROSIVE MATERIAL. Avoid contact with corrosion sensitive metals, leather and wood. Do not get in eyes, on skin or clothing. Sprays and generated mists can be dangerous. Use only according to dilution instructions and with adequate protective clothing.

**Storage Requirements:** CORROSIVE MATERIAL. Keep container closed when not in use. DOT Class: Corrosive liquid, basic, inorganic, n.o.s. (contains sodium hydroxide), 8, UN3266, PG-II. KEEP OUT OF REACH OF CHILDREN. Store away from acids and oxidizing materials.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** Specific use conditions (spraying/confined spaces) where regulatory limits for NaOH are exceeded may require local exhaust ventilation to prevent release of mist &/or vapors into work environment. If ventilation is not adequate, use NIOSH/MSHA approved respirator with alkaline mist/gas cartridge & full face piece.

**Eye Protection:** Close fitting safety glasses/goggles/ face shield depending upon conditions of use.

**Protective Clothing:** Impervious protective clothing appropriate to minimize contact (ie: rubber boots, apron, face shield) especially where sprayback/misting conditions exist. Rubber protective gloves.

**Exposure Guidelines:** NaOH TLV = 2mg/M3. Eye wash station and safety shower in handling area.

**Specific Engineering Controls (such as ventilation, enclosed process):** Insure adequate ventilation to control NaOH airborne concentration below TLV of 2Mg/M3. Eye wash station and safety shower in handling area.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

|                                   |   |   |
|-----------------------------------|---|---|
| <b>Physical Form:</b> Liquid      | <b>Freezing Point:</b> ~0°C/~32~0°F           | <b>% Volatile by Weight:</b> ~76%                     |
| <b>Color:</b> Blue                | <b>Vapor Density [air =1]:</b> Not Determined | <b>Evaporation Rate:</b> (vs. H2O): About the same.   |
| <b>Odor:</b> No distinct odor     | <b>Vapor Pressure:</b> Not Determined         | <b>Specific Gravity:</b> (H2O=1.0): 1.252 (+/- 0.005) |
| <b>Boiling Point:</b> 100°C/212°F | <b>Solubility in Water:</b> Complete          | <b>pH (concentrate):</b> 10% pH=13.3 (+/- 0.5)        |

## SECTION 10 – STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Hazardous Polymerization:** None

**Incompatibilities:** Strong acids/oxidizers. Do not mix with chlorinated detergents (bleach).

**Reactive Conditions to avoid:** Do not mix with chlorinated detergents (bleach) or any other chemicals.

**Decomposition Products:** Burning may produce oxides of carbon and other substances.

## SECTION 11 – TOXICOLOGICAL INFORMATION

| <b>Hazardous Ingredients</b> | <b>CAS #</b> | <b>EINECS #</b> | <b>LD 50 of Ingredient</b><br>(Specify Species) | <b>LC50 of Ingredient</b><br>(Specify Species) |
|------------------------------|--------------|-----------------|---|--|
| Sodium Hydroxide             | 1310-73-2    | No Data.        | 1350 mg/kg (Oral ; Rat)                         | 358 mg/L (Fathead Minnow)                      |
| Nonionic Surfactant          | Proprietary  | No Data.        | >5.0 g / kg (Oral ; Rat)                        | Not Determined                                 |
|                              |              |                 |   |  |
|                              |              |                 |   |  |

## SECTION 12 – ECOLOGICAL INFORMATION

| <b>Hazardous Ingredients</b> | <b>Aquatic Toxicity Data</b>              |
|------------------------------|---|
| Sodium Hydroxide             | LC50 (96 hr.) (fathead minnow) : 358 mg/L |
| Nonionic Surfactant          | Not Determined                            |
|                              |   |
|                              |   |

**SECTION 13 – DISPOSAL CONSIDERATIONS****Waste Disposal:** Dispose of in an approved waste facility according to Federal, State and local regulations.**SECTION 14 – TRANSPORTATION INFORMATION****Special Shipping Information:** No Data.

| <u>Purview</u>        | <u>Proper Shipping Name</u>   | <u>UN Number</u> | <u>Packing Group</u> | <u>Hazard Class</u> |
|-----------------------|---|------------------|----------------------|---------------------|
| <b>DOT</b><br>(Land)  | Corrosive liquid, basic, inorganic, n.o.s.<br>(contains sodium hydroxide) | UN3266           | II                   | 8                   |
| <b>IMO</b><br>(Water) | No Data.  | No Data.         | No Data.             | No Data.            |
| <b>ICAO</b><br>(Air)  | No Data.  | No Data.         | No Data.             | No Data.            |

**SECTION 15 – REGULATORY INFORMATION**

|  |   |
|--|---|
| <b>WHMIS Classification:</b> (Workplace Hazardous Material Information System)     | Class E - Corrosive Material  |
| <b>SARA Title III:</b> (Superfund Amendments & Reauthorization Act)                | Contains no Section 313 listed substances subject to reporting requirements.                                    |
| <b>OSHA:</b> (Occupational Safety & Health Administration)                         | OHSA Hazardous - Corrosive Liquid. Acute & Chronic Hazard.  |
| <b>TSCA:</b> (Toxic Substance Control Act)   | All ingredients are TSCA registered.  |
| <b>VOC:</b> (volatile Organic Compounds)   | Less than 1%  |
| <b>CPR:</b> (Canadian Controlled Products Regulations)                             | This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations. |
| <b>EINECS:</b> (European Inventory of Existing Commercial Chemical Substances)     | No Data.  |
| <b>DSL / NDSL:</b> (Canadian Domestic Substance List)(Non-Domestic Substance List) | Not all ingredients within this product are on the DSL and/or NDSL.   |
| <b>CERCLA:</b> (Comprehensive Response Compensation & Liability Act)               | RQ = >5,000 lbs (NaOH)  |
| <b>IDL:</b> (Canadian Ingredient Disclosure List)                                  | Sodium hydroxide is listed on the IDL.  |
| <b>NFPA (HMIS) Rating:</b> (Hazardous Materials Identification System)             | Health = 3 Flammability = 0 Reactivity = 1  |

**SECTION 16 – OTHER INFORMATION**

No Data.

The information contained herein is based on the data available to us and is believed to be correct. However, Nu-Calgon Wholesaler Inc. makes no warranty, expressed, or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Nu-Calgon Wholesaler Inc. assumes no liability for injury from the use of the product described herein.