


**SAFETY DATA SHEET**

**Section 1 - Identification**

|   |  |
|---|--|
| <b>Product Identifier</b>   | PROLEX HTS-310 Premium High-Temp Solid Dishmachine Detergent |
| <b>Other means of identification</b>                                | 1120   |
| <b>Recommended use</b>  | Warewash detergent.  |
| <b>Recommended restrictions</b>                                     | For commercial and industrial use only.                      |
| <b>Manufacturer / Importer / Supplier / Distributor Information</b> |  |
| <b>Company Name</b>   | National Chemical Laboratories of PA, Inc.                   |
| <b>Address</b>  | 401 N. 10th Street - Philadelphia, PA 19123                  |
| <b>Telephone</b>  | 1 (215) 922-1200   |
| <b>Supplier Email</b>   | info@nclonline.com   |
| <b>Contact</b>  | CHEM-TEL   |
| <b>Emergency Phone</b>  | 1 (800) 255-3924   |

**Section 2 - Hazard(s) Identification**

SDS Hazards and Warnings are based on the undiluted product. Refer to diluted SDS for Ready-To-Use Hazards and Warnings.

|  | <b>Classification</b>   | <b>Category</b> |
|--|---|-----------------|
| <b>Physical Hazards</b>                          | Not Classified  |                 |
| <b>Health Hazards</b>                            | Serious eye damage/eye irritation   | 1               |
|  | Skin corrosion/irritation   | 1A              |
| <b>OSHA defined hazards</b>                      | Not Classified.   |                 |
| <b>Label Elements</b>                            |   |                 |
| <b>Hazard Symbol</b>                             |    |                 |
| <b>Signal Word</b>                               | Danger  |                 |
| <b>Hazard Statement</b>                          | Causes severe skin burns and eye damage.  |                 |
| <b>Precautionary statement</b>                   |   |                 |
| <b>Prevention</b>                                | Do not breathe dust, fumes, mist or vapor. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.   |                 |
| <b>Response</b>                                  | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center or physician for treatment advice. Have product container or label with you when calling poison control center or physician. Immediately call a POISON CENTER or doctor/physician. Specific treatment see appropriate section of the SDS. Wash contaminated clothing before reuse. |                 |
| <b>Storage</b>                                   | Store locked up.  |                 |
| <b>Disposal</b>                                  | Dispose of contents/container to trash after rinsing container.   |                 |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | Not classified.   |                 |

**Section 3 - Composition/Information on ingredients**

| <b>Mixture</b>              |                        |              |          |
|-----------------------------|------------------------|--------------|----------|
| <b>Hazardous Components</b> | <b>Ingredient Name</b> | <b>CAS #</b> | <b>%</b> |
|                             | Sodium Hydroxide       | 1310-73-2    | 40 - 55  |

**Section 4 - First-aid Measures**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical aid. Remove from exposure and move to fresh air immediately.    |
| <b>Skin contact</b> | Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical aid. |
| <b>Eye contact</b>  | Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.                          |
| <b>Ingestion</b>    | If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. Get medical aid.                        |

# SAFETY DATA SHEET

|  |  |
|--|--|
| <b>Most Important symptoms / effects, acute and delayed</b>            | Causes skin and eye burns.   |
| <b>Indication of immediate medical attention and special treatment</b> | Treat symptomatically.   |
| <b>General Information</b>   | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

## Section 5 - Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.   |
| <b>Unsuitable extinguishing media</b>                                | Not available.  |
| <b>Specific hazards arising from the chemical</b>                    | None known.   |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.   |
| <b>Fire-fighting equipment /instructions</b>                         | As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn. Use water spray to keep fire-exposed containers cool. Use water with caution and in flooding amounts. Contact with moisture or water may generate sufficient heat to ignite nearby combustible materials. Contact with metals may evolve flammable hydrogen gas. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. |

## Section 6 - Accidental release measures

|   |   |
|---|---|
| <b>Personal precautions, protective equipment and emergency procedures.</b> | Isolate area. Keep unnecessary personnel away. Use personal protection as recommended in Section 8 of the SDS.  |
| <b>Methods and materials for containment and cleaning up</b>                | Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Vacuum or sweep up material and place into a suitable disposal container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment. |
| <b>Environmental precautions</b>  | Avoid discharge into drains, water courses or onto the ground.  |

## Section 7 - Handling and storage

|   |  |
|---|--|
| <b>Precautions for safe handling</b>                                | Wash thoroughly after handling. Keep container tightly closed. Avoid ingestion and inhalation. Discard contaminated shoes. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from metals. Corrosives area. Keep away from acids.                       |

## Section 8 - Exposure control/personal protection

### Occupational exposure limits

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

| Components                       | Type | Value               | Form |
|----------------------------------|------|---------------------|------|
| Sodium Hydroxide (CAS 1310-73-2) | TWA  | 2 mg/m <sup>3</sup> |      |

#### US. ACGIH Threshold Limit Values

| Component                        | Type    | Value               | Form |
|----------------------------------|---------|---------------------|------|
| Sodium Hydroxide (CAS 1310-73-2) | Ceiling | 2 mg/m <sup>3</sup> |      |

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

| Components                       | Type    | Value               |
|----------------------------------|---------|---------------------|
| Sodium Hydroxide (CAS 1310-73-2) | Ceiling | 2 mg/m <sup>3</sup> |

|                                |   |
|--------------------------------|---|
| <b>Biological limit values</b> | No biological exposure limits noted for the ingredient(s).                      |
| <b>Exposure guidelines</b>     | Use personal protective equipment as required. Keep working clothes separately. |

|   |   |
|---|---|
| <b>Appropriate engineering controls</b> | There are no special ventilation requirements. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. |
|---|---|

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

**Eye/face protection** If use of product risks exposure to contact, wear safety glasses with side shields.

#### Skin protection

**Hand protection** Impervious gloves are recommended for prolonged use.

**Other** If use of product risk exposure to contact, wear suitable protective clothing.

**Respiratory protection** Respirator protection is not normally required.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**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.

# SAFETY DATA SHEET

## Section 9 - Physical and chemical properties

|  |                     |
|--|---------------------|
| Appearance                                   | White Solid.        |
| Physical state                               | Solid.              |
| Form   | Solid opaque block. |
| Color  | White.              |
| Odor   | Mild.               |
| Odor threshold                               | Not available.      |
| pH   | > 12                |
| Melting point/freezing point                 | No data.            |
| Initial boiling point and boiling range      | No data.            |
| Flash point                                  | No data.            |
| Evaporation rate                             | No data.            |
| Flammability (solid, gas)                    | No data.            |
| Upper/lower flammability or explosive limits |                     |
| Flammability limit - lower (%)               | No data.            |
| Flammability limit - upper (%)               | No data.            |
| Explosive limit - lower (%)                  | No data.            |
| Explosive limit - upper (%)                  | No data.            |
| Vapor pressure                               | No data.            |
| Vapor density                                | No data.            |
| Relative density                             | ~ >1.0              |
| Relative density temperature                 | 75 °F (23.9 °C)     |
| Solubilities (water)                         | Complete.           |
| Partition Coefficient n-octanol/water        | No data.            |
| Auto-ignition temperature                    | No data.            |
| Decomposition temperature                    | No data.            |
| Viscosity                                    | No data.            |
| Viscosity Temperature                        |                     |
| Other Information                            |                     |
| VOC's  | No data.            |

## Section 10 - Stability and reactivity

|                                    |  |
|------------------------------------|--|
| Reactivity                         | The product is non-reactive under normal conditions of use, storage and transport.   |
| Chemical stability                 | Stable.  |
| Possibility of hazardous reactions | Will not occur.  |
| Conditions to Avoid                | Avoid contact with acids, reducing agents, oxidizers, nitrogen oxides, amines, ammonia or other nitrogen containing compounds. contact with water other than directions for use. Exposure to moist air, Incompatible materials, dust generation. |
| Incompatible materials             | Sulfur oxides. Metals. Acids, Aluminum, Zinc, gelatin, nitromethane, leather, flammable liquids, organic halogens. Strong acids.   |
| Hazardous Decomposition Products   | Toxic fumes of sodium oxide, Carbon monoxide, oxides of phosphorus, Carbon dioxide.  |

## Section 11 - Toxicological information

### Information on likely routes of exposure

|              |  |
|--------------|--|
| Ingestion    | May cause severe and permanent damage to the digestive tract. Causes gastrointestinal tract burns. Causes severe pain, nausea, vomiting, diarrhea, and shock. May cause corrosion and permanent tissue destruction of the esophagus and digestive tract.                       |
| Inhalation   | Causes chemical burns to the respiratory tract. May be harmful if inhaled.   |
| Skin contact | Causes skin burns. May cause deep, penetrating ulcers of the skin. May cause skin rash (in milder cases), and clammy skin with cyanosis or pale color. Causes skin irritation. Prolonged or repeated skin contact may cause dermatitis. Chronic: None. Effects may be delayed. |
| Eye contact  | Causes eye burns. May cause chemical conjunctivitis and corneal damage. Causes eye irritation.   |

### Symptoms related to the physical, chemical and toxicological characteristics

### Information on toxicological effects.

Acute toxicity May be harmful if swallowed.

| Components                       | Level | Type | Code | Species | Results   |
|----------------------------------|-------|------|------|---------|-----------|
| Sodium Hydroxide (CAS 1310-73-2) | Acute | Oral | LD50 | Rabbit  | 500 mg/kg |

# SAFETY DATA SHEET

|   |   |
|---|---|
| <b>Skin corrosion/irritation</b>                          | Causes skin burns. May cause deep, penetrating ulcers of the skin. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color. Causes skin irritation. |
| <b>Serious eye damage/ eye irritation</b>                 | Causes eye burns. May cause chemical conjunctivitis and corneal damage. Causes eye irritation.  |
| <b>Respiratory sensitization</b>                          | Not classified.   |
| <b>Skin sensitization</b>                                 | Not available.  |
| <b>Germ cell mutagenicity</b>                             | Not classified.   |
| <b>Carcinogenicity</b>                                    | Not classified.   |
| <b>Reproductive toxicity</b>                              | Not classified.   |
| <b>Specific target organ toxicity - single exposure</b>   | Not classified.   |
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified.   |
| <b>Aspiration hazard</b>                                  | Not classified.   |

## Section 12 - Ecological Information

|                                      |   |
|--------------------------------------|---|
| <b>Ecotoxicity</b>                   | The product contains a substance which is toxic to aquatic organisms. |
| <b>Persistence and degradability</b> | The product is expected to be biodegradable.                          |
| <b>Bioaccumulative potential</b>     | Not known.  |
| <b>Mobility in soil</b>              | Not available.  |
| <b>Mobility in general</b>           | The product is water soluble and may spread in water systems.         |
| <b>Other adverse effects</b>         | None known.   |

## Section 13 - Disposal considerations

|  |   |
|--|---|
| <b>Disposal instructions</b>                 | Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.<br>RCRA P-Series: None listed. RCRA U-Series: None listed. |
| <b>Local disposal regulations</b>            | Dispose of in accordance with local regulations.  |
| <b>Hazardous waste code</b>                  | Waste codes should be assigned by the user based on the application for which the product was used.   |
| <b>Waste from residues / unused products</b> | Dispose in accordance with all applicable regulations.  |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied.   |

## Section 14 - Transport information

### DOT

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN3262  |
| <b>Proper shipping name</b>         | Corrosive solid, basic, inorganic, n.o.s. (Sodium Hydroxide)            |
| <b>Transport hazard class(es)</b>   | 8   |
| <b>Packing group</b>                | II  |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Special provisions</b>           | IB8, IP2, IP4   |
| <b>Packaging exemption</b>          | 154   |
| <b>Packaging non bulk</b>           | 212   |
| <b>Packaging bulk</b>               | 240   |

### IATA

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN3262  |
| <b>UN proper shipping name</b>      | Corrosive solid, basic, inorganic, n.o.s. (Sodium hydroxide)            |
| <b>Transport hazard class(es)</b>   | 8   |
| <b>Packaging group</b>              | II  |
| <b>Labels required</b>              | Not available.  |
| <b>ERG Code</b>                     | 8L  |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Other Information</b>            |   |

### IMDG

|                                   |  |
|-----------------------------------|--|
| <b>UN number</b>                  | UN3262   |
| <b>UN proper shipping name</b>    | Corrosive solid, basic, inorganic, n.o.s. (Sodium hydroxide) |
| <b>Transport hazard class(es)</b> | 8  |
| <b>Packaging group</b>            | II   |

# SAFETY DATA SHEET

|  |   |
|--|---|
| <b>Labels required</b>   | Not available.  |
| <b>EmS</b>   | F-A, S-B  |
| <b>Special precautions for user</b>  | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code</b> | This substance/mixture is not intended to be transported in bulk.       |

## Section 15 - Regulatory Information

|   |  |  |
|---|--|--|
| <b>US federal regulations</b>   | This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. |  |
| <b>TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D)</b>                     |  | Not regulated.   |
| <b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>               |  | Not listed   |
| <b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>                                   |  |  |
| Components  |  | Result   |
| Sodium Hydroxide (CAS 1310-73-2)  |  | LISTED   |
| <b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>                      |  |  |
| <b>Hazard Categories</b>  | Immediate Hazard   | Yes  |
|   | Delayed Hazard   | No   |
|   | Fire Hazard  | No   |
|   | Pressure Hazard  | No   |
|   | Reactivity Hazard  | No   |
| <b>SARA 302 Extremely hazardous substance</b>   |  | No   |
| <b>SARA 311/312 Hazardous chemical</b>  |  | Yes  |
| <b>SARA 313 (TRI reporting)</b>   |  | Not regulated.   |
| <b>Other federal regulations</b>  |  |  |
| <b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HSPs) List</b>             |  | Not regulated.   |
| <b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b> |  | Not regulated.   |
| <b>Drug Enforcement Administration (DEA), List 1 2</b>                                  |  | Not regulated.   |
| <b>Exempt Chemical Mixtures (21 CFR 1310.12(c))</b>                                     |  |  |
| <b>DEA Exempt Chemical Mixtures Code Number</b>   |  | Not regulated.   |
| <b>Safe Drinking Water Act (SDWA)</b>   |  | Not regulated.   |
| <b>Food and Drug Administration (FDA)</b>   |  | Not regulated.   |
| <b>US state regulations</b>   |  |  |
| <b>US.Massachusetts RTK - Substance List</b>  | Components   |  |
|   | Sodium Hydroxide (CAS 1310-73-2)   |  |
| <b>US.New Jersey Worker and Community Right-to-Know Act</b>                             | Components   |  |
|   | Sodium Hydroxide (CAS 1310-73-2)   |  |
| <b>US.Pennsylvania RTK - Hazardous Substances</b>                                       | Components   |  |
|   | Sodium Hydroxide (CAS 1310-73-2)   |  |
| <b>US.Rhode Island RTK</b>  | Components   |  |
|   | Sodium Hydroxide (CAS 1310-73-2)   |  |
| <b>US - California Proposition 65</b>   |  | California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. |

### International Inventories

| Country(s) or region      | Inventory Name   | On Inventory (yes/no)* |
|---------------------------|--|------------------------|
| Australia                 | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                    | Domestic Substances List (DSL)   | Yes                    |
| Canada                    | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                     | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                    | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                    | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                     | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                     | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand               | New Zealand Inventory  | Yes                    |
| Philippines               | Philippine Inventory of Chemicals and Chemical Substances              | Yes                    |
| Unites States Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

\*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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

|                      |           |
|----------------------|-----------|
| <b>Revision date</b> | 1/17/2018 |
| <b>Version #</b>     | 02        |

## **SAFETY DATA SHEET**

---

### **Disclaimer**

The information contained herein was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond the manufacturer's control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising from the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.