


SAFETY DATA SHEET

Section 1 - Identification

| | |
|---|---|
| Product Identifier | HURRICANE Intensive Stone Cleaner RTU (1:32 - 1:128) |
| Other means of identification | 2510 (1-32, 1-128) |
| Recommended use | Alkaline cleaner. |
| Recommended restrictions | For commercial and industrial use only. User prepared Ready-To-Use solution. 1:32 or 1:128 in water |
| Manufacturer / Importer / Supplier / Distributor Information | |
| Company Name | National Chemical Laboratories of PA, Inc. |
| Address | 401 N. 10th Street - Philadelphia, PA 19123 |
| Telephone | 1 (215) 922-1200 |
| Supplier Email | info@nclonline.com |
| Contact | CHEM-TEL |
| Emergency Phone | 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.

| | Classification | Category |
|--|---|-----------------|
| Physical Hazards | Not Classified | |
| Health Hazards | Serious eye damage/eye irritation | 2A |
| OSHA defined hazards | Not Classified. | |
| Label Elements | | |
| Hazard Symbol |  | |
| Signal Word | Warning | |
| Hazard Statement | Causes serious eye irritation. | |
| Precautionary statement | | |
| Prevention | Wash thoroughly after handling. Wear eye/face protection. | |
| Response | If on skin: Wash with water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists get medical advice/attention . Take off contaminated clothing and wash before reuse. | |
| Storage | Store away from incompatible materials. Store locked up. | |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. | |
| Hazard(s) not otherwise classified (HNOC) | None known. | |

Section 3 - Composition/Information on ingredients

| | | | |
|-----------------------------|--|--------------|----------|
| Mixture | | | |
| Hazardous Components | Ingredient Name | CAS # | % |
| | Sodium Hydroxide | 1310-73-2 | < 0.2 |
| Composition Comments | Components not listed are either non-hazardous or are below reportable limits. | | |

Section 4 - First-aid Measures

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|--|---|
| Inhalation | Move to fresh air. Get medical attention if irritation develops and persists. |
| Skin contact | Wash with water. Get medical attention if irritation develops and persists. |
| Eye contact | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. |
| Ingestion | Rinse mouth. Get medical attention if irritation develops and persists. |
| Most Important symptoms /effects, acute and delayed | Serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. |
| Indication of immediate medical attention and special treatment | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. |

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General Information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5 - Fire-fighting measures

Suitable extinguishing media RTU product will not support combustion. Water fog. Foam. Carbon dioxide (CO₂).
Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment /instructions Move containers from fire area if you can do it without risk. Use water spray to keep fire-exposed containers cool.
General fire hazards This product is not flammable or combustible.

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures. Isolate area. Keep unnecessary personnel away. Use personal protection as recommended in Section 8 of the SDS.
Methods and materials for containment and cleaning up Small Spills: Absorb spillage with suitable absorbent material.
Large Spills: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. After removal flush contaminated area thoroughly with water.
Environmental precautions Avoid discharge into drains, water courses or onto the ground.

Section 7 - Handling and storage

Precautions for safe handling Do not get this material in contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash thoroughly after handling. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities Store away from incompatible materials. Keep container closed.

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 ³ | |

US. ACGIH Threshold Limit Values

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

US. NIOSH: Pocket Guide to Chemical Hazards

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

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

Appropriate engineering controls Provide adequate ventilation and minimize the risk of inhalation of vapors and mists. Provide easy access to water supply and eye wash facilities. Use personal protective equipment as required. Keep working clothes separately.

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 In case of insufficient ventilation, wear suitable respiratory equipment. No personal respiratory protective equipment 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.

Section 9 - Physical and chemical properties

Appearance

Physical state Liquid.
Form Clear liquid.
Color Pale red.

Odor Citrus

Odor threshold Not available.

pH 11.5 - 12.1

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| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | 212 °F (100 °C) |
| Flash point | > 212.0 °F (> 100.0 °C) |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not applicable. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | Similar to water. |
| Vapor density | Similar to water. |
| Relative density | 1.00 ± 0.01 |
| Relative density temperature | 75 °F (23.9 °C) |
| Solubilities (water) | 100 % Soluble. |
| Partition Coefficient n-octanol/water | Not available |
| Auto-ignition temperature | Not Available |
| Decomposition temperature | Not Available |
| Viscosity | < 10 cP |
| Viscosity Temperature | 75 °F (23.9 °C) |

Section 10 - Stability and reactivity

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|------------------------------------|--|
| Reactivity | The product is non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Stable at normal conditions. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |
| Conditions to Avoid | Contact with incompatible materials. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous Decomposition Products | Carbon monoxide. Carbon dioxide. |

Section 11 - Toxicological information

Information on likely routes of exposure

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|--------------|--|
| Ingestion | Expected to be a low ingestion hazard. |
| Inhalation | No adverse effects due to inhalation are expected. |
| Skin contact | Prolonged skin contact may cause irritation. |
| Eye contact | Causes serious eye irritation. |

Symptoms related to the physical, chemical and toxicological characteristics Serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Symptoms may be delayed.

Information on toxicological effects.

| | |
|--|--|
| Acute toxicity | Not expected to be hazardous. |
| Skin corrosion/irritation | Prolonged skin contact may cause irritation. |
| Serious eye damage/ eye irritation | Causes serious eye irritation. |
| Respiratory sensitization | This product is not expected to cause respiratory sensitization. |
| Skin sensitization | This product is not expected to cause skin sensitization. |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| Carcinogenicity | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. |
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. |
| Specific target organ toxicity - single exposure | Not classified. |
| Specific target organ toxicity - repeated exposure | Not classified. |
| Aspiration hazard | Not classified. |
| Chronic effects | Not expected to be hazardous. |

Section 12 - Ecological Information

Ecotoxicity The product is highly diluted and 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.

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| Persistence and degradability | The product is expected to be biodegradable. |
| Bioaccumulative potential | Not known. |
| Mobility in soil | Not available. |
| Mobility in general | The product is water soluble and may spread in water systems. |
| Other adverse effects | None known. |

Section 13 - Disposal considerations

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|--|---|
| Disposal instructions | Dispose in accordance with applicable federal, state, and local regulations. |
| Local disposal regulations | Dispose of in accordance with local regulations. |
| Hazardous waste code | Waste codes should be assigned by the user based on the application for which the product was used. |
| Waste from residues / unused products | Dispose in accordance with all applicable regulations. |
| Contaminated packaging | Since emptied containers may retain product residue, follow label warnings even after container is emptied. |

Section 14 - Transport information

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| General Information | This product is customer diluted for on site use only. No transportation information is anticipated or provided. The regulatory transport classification of the product without consideration to dilution strength, packaging, quantity, or modal restrictions and exceptions can not be anticipated. It is the user's responsibility to determine the appropriate packaging and modal requirements and/or limitations for the product quantity being shipped. |
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Section 15 - Regulatory Information

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 CFR707, Subpt. D) Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

| Components | Result |
|----------------------------------|--------|
| Sodium Hydroxide (CAS 1310-73-2) | LISTED |

Superfund Amendments and Reauthorization Act of 1986 (SARA)

| | | |
|--------------------------|-------------------|-----|
| Hazard Categories | Immediate Hazard | Yes |
| | Delayed Hazard | No |
| | Fire Hazard | No |
| | Pressure Hazard | No |
| | Reactivity Hazard | No |

SARA 302 Extremely hazardous substance Not listed.

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting) Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HSPs) List Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Not regulated.

US state regulations

US.Massachusetts RTK - Substance List Components
Sodium Hydroxide (CAS 1310-73-2)

US.New Jersey Worker and Community Right-to-Know Act Components
Sodium Hydroxide (CAS 1310-73-2)

US.Pennsylvania RTK - Hazardous Substances Components
Sodium Hydroxide (CAS 1310-73-2)

US.Rhode Island RTK Components
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.

International Inventories

| Country(s) or region | Inventory Name | On Inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | No |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |

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| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| 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 | No |

*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

Revision date 1/17/2018

Version # 02

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