SAFETY DATA SHEET

Section 1 - Identification

Product Identifier  
DUAL-BLEND # 20 BATHROOM PLUS CONCENTRATE RTU (1-64)

Other means of identification  
5090 (1-64)

Recommended use  
Disinfectant Cleaner.

Recommended restrictions  
EPA Registered Product. For Commercial and Industrial Use Only. (RTU) Diluted 1:64 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

Physical Hazards  
Not Classified

Health Hazards  
Serious eye damage/eye irritation

OSHA defined hazards  
Not Classified.

Label Elements

Hazard Symbol  
None.

Signal Word  
Warning

Hazard Statement  
Causes eye irritation.

Precautionary statement

Prevention  
Wear eye/face protection. Wash thoroughly after handling.

Response  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage  
Keep container tightly closed. Store away from incompatible materials.

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  
Quaternary Ammonium Chloride compounds

CAS #  
mixture

%  
< 0.1

Composition Comments  
Components not listed are either non-hazardous or are below reportable limits.

Section 4 - First-aid Measures

Inhalation  
Move to fresh air. Get medical attention if irritation develops and persists.

Skin contact  
Wash skin with water. Get medical attention if irritation develops or 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  
Causes 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.

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

Section 5 - Fire-fighting measures

Suitable extinguishing media  
RTU product will not support combustion. Water fog. Foam. Carbon dioxide (CO2).
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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
This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. 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.
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. For waste disposal, see section 13 of the SDS.

Environmental precautions
Avoid discharge into drains, water courses or onto the ground.

Section 7 - Handling and storage

Precautions for safe handling
Avoid breathing mist or vapor. Avoid contact with eyes. Avoid prolonged exposure to skin. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities
Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Section 8 - Exposure control/personal protection

Occupational exposure limits
No exposure limits noted for ingredient(s).

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

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. Provide eyewash station.

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.

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. Contaminated work clothing should not be allowed out of the workplace.

Section 9 - Physical and chemical properties

Appearance

Physical state
Liquid.

Form
Clear, thin liquid.

Color
Light blue.

Odor
Floral

Odor threshold
Not available.

pH
7.1 ± 0.3

Melting point/freezing point
Not relevant.

Initial boiling point and boiling range
212 °F (100 °C)

Flash point
None to boiling.

Evaporation rate
Not available.

Flammability (solid, gas)
Not available.

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### 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.

### Relative density
- 1.00 ± 0.01

### Relative density temperature
- 75 °F (23.9 °C)

### Solubilities (water)
- Completely soluble.

### Partition Coefficient
- n-octanol/water: Not available

### Auto-ignition temperature
- Not Available

### Decomposition temperature
- Not Available

### Viscosity
- <10 cSt

### Viscosity Temperature
- 75 °F (23.9 °C)

### Section 10 - Stability and reactivity

<table>
<thead>
<tr>
<th>Reactivity</th>
<th>The product is stable and non-reactive under normal conditions of use, storage and transport.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical stability</td>
<td>Material is stable under normal conditions.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>No dangerous reaction known under conditions of normal use.</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>Contact with incompatible materials.</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>Strong oxidizing agents. Anionic surfactants.</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>No hazardous decomposition products are known.</td>
</tr>
</tbody>
</table>

### Section 11 - Toxicological information

#### Information on likely routes of exposure

- **Inhalation:** Prolonged inhalation may be harmful.
- **Skin contact:** Prolonged skin contact may cause temporary irritation.
- **Eye contact:** Causes eye irritation.
- **Symptoms related to the physical, chemical and toxicological characteristics:** Causes eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

#### Information on toxicological effects

- **Acute toxicity:** Not expected to be hazardous.
- **Skin corrosion/irritation:** Prolonged skin contact may cause temporary irritation.
- **Serious eye damage/eye irritation:** Causes 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:** Prolonged inhalation may be harmful.

### Section 12 - Ecological Information

- **Ecotoxicity:** The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
- **Persistence and degradability:** No data is available on the degradability of this product.
- **Bioaccumulative potential:** No data available.
- **Mobility in soil:** No data available.
- **Mobility in general:** The product is water soluble and may spread in water systems.
- **Other adverse effects:** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine...
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Section 13 - Disposal considerations

Disposal instructions
PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL - Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container promptly after emptying.

For containers 5 gallons or less:
Triple rinse as follows: Fill container 1/4 full with water and recap. Agitate vigorously. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

Hazardous waste code
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products
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).

Contaminated packaging
Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14 - Transport information

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 cannot 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.

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. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D) Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.

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 311/322 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 - Not regulated.
US.New Jersey Worker and Community Right-to-Know Act - Not listed.
US.Pennsylvania RTK - Hazardous Substances - Not listed.
US.Rhode Island RTK - Not regulated.
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

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory Name</th>
<th>On Inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
</tr>
</tbody>
</table>
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Korea  Existing Chemicals List (ECL)  Yes
New Zealand  New Zealand Inventory  Yes
Philippines  Philippine Inventory of Chemicals and Chemical Substances  Yes
United 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

Revision date  1/17/2018
Version #  02
Further information  Some information may conflict with EPA mandated label information.
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