SAFETY DATA SHEET

Section 1 - Identification

Product Identifier
Earth Sense® DUAL-BLEND #1 Glass & Window Cleaner (Concentrate)

Other means of identification
5071

Recommended use
Glass cleaner.

Recommended restrictions
For commercial and industrial use only.

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
Classification
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
Store away from incompatible materials.

Disposal
Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC)
Not classified.

Section 3 - Composition/Information on ingredients

Mixture

Hazardous Components
Ingredient Name
Surfactant & Complexing agent

CAS #
Mixture 60 - 80

Composition Comments
Chemical identity of the components is a trade secret of the manufacturer. 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 symptoms occur.

Skin contact
Remove contaminated clothing and shoes. Wash skin with soap and water. Get medical attention if irritation develops or persists.

Eye contact
Immediately rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. If irritation persists, get medical attention.

Ingestion
Rinse mouth thoroughly with water. DO NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration. Call a physician or poison control center immediately.

Most Important symptoms/effects, acute and delayed
Causes eye irritation. Prolonged skin contact may cause irritation.

Indication of immediate medical attention and special treatment
Treat symptomatically.
### 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**: Water spray, fog, CO2, dry chemical, or alcohol resistant foam.
- **Unsuitable extinguishing media**: None known.
- **Specific hazards arising from the chemical**: None known.
- **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.

### 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 SPILLAGE: 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 and storage**: Avoid contact with eyes, skin, and clothing. Use Personal Protective Equipment recommended in section 8 of the SDS.
- **Conditions for safe storage, including any incompatibilities**: Store away from incompatible materials. Keep container closed.

### 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).
- **Exposure guidelines**: Use personal protective equipment as required. Keep working clothes separately.
- **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.
- **Individual protection measures, such as personal protective equipment**: If use of product risks exposure to contact, wear safety glasses with side shields.
  - **Eye/face protection**: Impervious gloves are recommended for prolonged use.
  - **Skin protection**: If use of product risk exposure to contact, wear suitable protective clothing.
  - **Hand protection**: In case of inadequate ventilation, use respiratory protection.
  - **Respiratory protection**: 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**: Clear.
- **Physical state**: Liquid.
- **Form**: Liquid.
- **Color**: Blue.
- **Odor**: None. No fragrance added.
- **Odor threshold**: Not available.
- **pH**: 11.5 ± 0.5 (Conc), 10.4 ± 0.5 (1:100)
- **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.
### Section 10 - Stability and reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explosive limit - upper (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Similar to water.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Similar to water.</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.09 ± 0.01</td>
</tr>
<tr>
<td>Relative density temperature</td>
<td>75 °F (23.9 °C)</td>
</tr>
<tr>
<td>Solubilities (water)</td>
<td>100 % Soluble.</td>
</tr>
<tr>
<td>Partition Coefficient n-octanol/water</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not Available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not Available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>&lt; 10 cP</td>
</tr>
<tr>
<td>Viscosity Temperature</td>
<td>75 °F (23.9 °C)</td>
</tr>
</tbody>
</table>

### Section 11 - Toxicological information

#### Information on likely routes of exposure

<table>
<thead>
<tr>
<th>Route</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingestion</td>
<td>May be harmful if swallowed.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Under normal conditions of intended use, this material is not expected to be an inhalation hazard.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Prolonged skin contact may cause irritation.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Causes eye irritation.</td>
</tr>
<tr>
<td>Symptoms related to the</td>
<td></td>
</tr>
<tr>
<td>physical, chemical and</td>
<td></td>
</tr>
<tr>
<td>toxicological characteristics</td>
<td></td>
</tr>
<tr>
<td>Information on toxicological effects.</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity</td>
<td>May be harmful if swallowed.</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Prolonged skin contact may cause irritation.</td>
</tr>
<tr>
<td>Serious eye damage/ eye irritation</td>
<td>Causes eye irritation.</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Specific target organ toxicity - single exposure</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Specific target organ toxicity - repeated exposure</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### Section 12 - Ecological Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecotoxicity</td>
<td>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.</td>
</tr>
<tr>
<td>Persistence and degradability</td>
<td>The product is expected to be biodegradable.</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Not known.</td>
</tr>
<tr>
<td>Mobility in soil</td>
<td>Not available.</td>
</tr>
<tr>
<td>Mobility in general</td>
<td>The product is water soluble and may spread in water systems.</td>
</tr>
<tr>
<td>Other adverse effects</td>
<td>None known.</td>
</tr>
</tbody>
</table>

### Section 13 - Disposal considerations

<table>
<thead>
<tr>
<th>Disposal instructions</th>
<th>Dispose in accordance with applicable federal, state, and local regulations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local disposal regulations</td>
<td>Dispose of in accordance with local regulations.</td>
</tr>
<tr>
<td>Hazardous waste code</td>
<td>Waste codes should be assigned by the user based on the application for which the product was used.</td>
</tr>
</tbody>
</table>
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

DOT: Not regulated as dangerous goods.
IATA: Not regulated as dangerous goods.
IMDG: Not regulated as dangerous goods.
Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code: This substance/mixture is not intended to be transported in bulk.

Section 15 - Regulatory Information

US federal regulations:
- Superfund Amendments and Reauthorization Act of 1986 (SARA):
  - SARA 302 Extremely hazardous substance: No.
  - 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.
- 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>Yes</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>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances</td>
<td>Yes</td>
</tr>
<tr>
<td>United States Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*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: Meets Green Seal’s requirements for acute toxicity at the as-used dilution.
References:
- HSDB® - Hazardous Substances Data Bank
- HPVIS - High Production Volume Information System
Disclaimer

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