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Section 1 - Identification

Product Identifier: TP #1 Glass and Multi-Surface Cleaner Super Concentrate RTU (1-32)
Other means of identification: 4001 (1-32)
Recommended use: Glass & Multi-Surface Cleaner
Recommended restrictions: For commercial and industrial use only. User prepared Ready-To-Use solution. 1:32 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: Not Classified
OSHA defined hazards: Not Classified

Inhalation: Move to fresh air. Get medical attention if symptoms occur. Get medical attention if irritation develops and persists.
Skin contact: Wash skin with soap and water. Get medical attention if irritation develops or persists.
Eye contact: 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: Mild eye irritation. Symptoms may include stinging, tearing, redness. Prolonged skin contact may cause irritation. May cause redness and irritation.
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.

Section 3 - Composition/Information on ingredients

Mixture
Hazardous Components
Ingredient Name: 2-Propanol
CAS #: 67-63-0
%: < 2
Composition Comments: Components not listed are either non-hazardous or are below reportable limits.

Section 4 - First-aid Measures

Inhalation
Skin contact
Eye contact
Ingestion
Most Important symptoms
Indication of immediate medical attention and special treatment
General Information

Section 5 - Fire-fighting measures

Suitable extinguishing media: RTU product will not support combustion. Water spray, or water fog.
Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.
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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.

General fire hazards
No unusual fire or explosion hazards noted.

Specific Methods
Use standard firefighting procedures and consider the hazards of other involved materials.

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
Do not get this material in contact with eyes. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Avoid prolonged exposure. Wash hands thoroughly after handling. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Do not mix with other chemicals.

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).

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

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Propanol (CAS 67-63-0)</td>
<td>TWA</td>
<td>980 mg/m³, 400ppm</td>
<td></td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Component</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Propanol (CAS 67-63-0)</td>
<td>TWA</td>
<td>400 ppm</td>
</tr>
<tr>
<td>2-Propanol (CAS 67-63-0)</td>
<td>STEL</td>
<td>1225 mg/m³, 500 ppm</td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Propanol (CAS 67-63-0)</td>
<td>IDLH</td>
<td>2000 ppm</td>
</tr>
<tr>
<td>2-Propanol (CAS 67-63-0)</td>
<td>STEL</td>
<td>1225 mg/m³, 500 ppm</td>
</tr>
<tr>
<td>2-Propanol (CAS 67-63-0)</td>
<td>TWA</td>
<td>980 mg/m³, 400 ppm</td>
</tr>
</tbody>
</table>

US. ACGIH. BEIs. Biological Exposure Indices

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Determinate</th>
<th>Specimen</th>
<th>Sampling</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Propanol (CAS 67-63-0)</td>
<td>200 mg/g</td>
<td>Butyloxyacetic acid (BAA), with hydrolysis</td>
<td>Creatinine in urine</td>
<td>*</td>
</tr>
<tr>
<td>2-Propanol (CAS 67-63-0)</td>
<td>40 mg/l</td>
<td>Acetone</td>
<td>Urine</td>
<td>*</td>
</tr>
</tbody>
</table>

* - For sampling details, please see the source document.

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. Eye wash facilities and emergency shower must be available when handling this product.

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.
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Section 9 - Physical and chemical properties

Appearance
- Physical state: Liquid.
- Form: Clear, thin liquid.
- Color: Pale blue.
- Odor: Mild, Alcohol.
- Odor threshold: Not available.
- pH: 10.0 - 10.5
- Melting point/freezing point: Not available.
- Initial boiling point and boiling range: 212 °F (100 °C)
- Flash point: >201°F (94°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: 0.99 ± 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

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to Avoid: Contact with incompatible materials.

Incompatible materials: Strong oxidizing agents.

Hazardous Decomposition Products: No hazardous decomposition products are known.

Section 11 - Toxicological information

Information on likely routes of exposure
- Ingestion: Expected to be a low ingestion hazard.
- Inhalation: Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
- Skin contact: No adverse effects due to skin contact are expected.
- Eye contact: Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics
- Direct contact with eyes may cause temporary irritation. Prolonged contact may cause skin irritation. May cause redness and irritation.

Information on toxicological effects.
- Acute toxicity: Not expected to be acutely toxic.
- Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation.
- Serious eye damage/eye irritation: Direct contact with eyes may cause temporary 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. Prolonged and repeated inhalation may be harmful.

**Section 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.

Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulative potential: No data available.

**Partition coefficient n-octanol / water log (Kow)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Propanol (CAS 67-63-0)</td>
<td>0.05</td>
</tr>
</tbody>
</table>

Mobility in soil: No data available.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**Section 13 - Disposal considerations**

Disposal instructions: Dispose in accordance with applicable federal, state, and local regulations.

Local disposal regulations: Dispose 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**

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.

**Section 15 - Regulatory Information**

US federal regulations:


Superfund Amendments and Reauthorization Act of 1986 (SARA)

- Hazard Categories:
  - Immediate Hazard: No
  - Delayed Hazard: No
  - Fire Hazard: No
  - Pressure Hazard: No
  - Reactivity Hazard: No
- SARA 302 Extremely hazardous substance: Not listed.
- SARA 311/312 Hazardous chemical: No
- SARA 313 (TRI reporting): Not regulated.

Other federal regulations:

- Clean Air Act (CAA) Section 112 (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: Components 2-Propanol (CAS 67-63-0)
- US. New Jersey Worker and Community Right-to-Know Act: Components 2-Propanol (CAS 67-63-0)
- US. Pennsylvania RTK - Hazardous Substances: Components
 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>
<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        |

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