



World Class Cleaning & Hygiene Solutions™

# NATIONAL CHEMICAL LABORATORIES, INC.

## SAFETY DATA SHEET

### Section 1 - Identification

<b>Product Identifier</b>	TP #2 Spray & Wipe Cleaner Super Concentrate RTU (1-32)
<b>Other means of identification</b>	4002 (1-32)
<b>Recommended use</b>	Alkaline detergent.
<b>Recommended restrictions</b>	For commercial and industrial use only. User prepared Ready-To-Use solution. 1:32 in water.
<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

	<b>Classification</b>	<b>Category</b>
<b>Physical Hazards</b>	Not Classified	
<b>Health Hazards</b>	Serious eye damage/eye irritation	2B
	Skin corrosion/irritation	2
<b>OSHA defined hazards</b>	Not Classified.	
<b>Label Elements</b>		
<b>Hazard Symbol</b>	None.	
<b>Signal Word</b>	Warning	
<b>Hazard Statement</b>	Causes eye irritation. Causes mild skin irritation.	
<b>Precautionary statement</b>		
<b>Prevention</b>	Do not breathe mist or vapor. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.	
<b>Response</b>	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Wash hands after handling.	
<b>Storage</b>	Store away from incompatible materials.	
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.	
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.	

### Section 3 - Composition/Information on ingredients

<b>Mixture</b>			
<b>Hazardous Components</b>	<b>Ingredient Name</b>	<b>CAS #</b>	<b>%</b>
	Dipropylene Glycol Monomethyl Ether	34590-94-8	1 - 2
	2-Amino Ethanol	141-43-5	0.1 - 1
<b>Composition Comments</b>	Components not listed are either non-hazardous or are below reportable limits.		

### Section 4 - First-aid Measures

<b>Inhalation</b>	Move to fresh air. Get medical attention if symptoms occur. Get medical attention if irritation develops and persists..
<b>Skin contact</b>	Wash skin with soap and water. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.
<b>Eye contact</b>	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.
<b>Ingestion</b>	Rinse mouth. Get medical attention if irritation develops and persists.
<b>Most Important symptoms or effects, acute and delayed</b>	Causes eye irritation. Symptoms may include stinging, tearing, redness. Prolonged skin contact may cause irritation. May cause redness and irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General Information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

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## Section 5 - Fire-fighting measures

<b>Suitable extinguishing media</b>	RTU product will not support combustion. Water spray, or water fog.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<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>	Move containers from fire area if you can do it without risk.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.
<b>Specific Methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.

## 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>	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. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. 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.
<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>	Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities</b>	Store locked up. 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

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

Components	Type	Value	Form
2-Amino Ethanol (CAS 141-43-5)	TWA	6 mg/m <sup>3</sup> , 3 ppm	
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	TWA	600 mg/m <sup>3</sup> , 100ppm	

#### US. ACGIH Threshold Limit Values

Component	Type	Value	Form
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	STEL	150 ppm	
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	TWA	100 ppm	
2-Amino Ethanol (CAS 141-43-5)	STEL	6 ppm	
2-Amino Ethanol (CAS 141-43-5)	TWA	3 ppm	

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

Components	Type	Value
2-Amino Ethanol (CAS 141-43-5)	STEL	15 mg/m <sup>3</sup> , 6 ppm
2-Amino Ethanol (CAS 141-43-5)	TWA	8 mg/m <sup>3</sup> , 3 ppm
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	TWA	600 mg/m <sup>3</sup> , 100 ppm
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	STEL	900 mg/m <sup>3</sup> , 150 ppm

#### US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Components	Exposure
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	Can be absorbed through the skin.

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

Component	Exposure
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	Can be absorbed through the skin.

#### US.OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.100)

Components	Exposure
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	Can be absorbed through the skin.

#### US.Tennessee. OELs Occupational Exposure Limkits, Table Z1A

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Components	Exposure
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	Can be absorbed through the skin.

## US ACGIH Threshold Limit Values: Skin designation

Component	Exposure
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	Can be absorbed through the skin.

**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

<b>Eye/face protection</b>	If use of product risks exposure to contact, wear safety glasses with side shields.
<b>Skin protection</b>	
<b>Hand protection</b>	Impervious gloves are recommended for prolonged use.
<b>Other</b>	If use of product risk exposure to contact, wear suitable protective clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	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

<b>Appearance</b>	
<b>Physical state</b>	Liquid.
<b>Form</b>	Thin, clear liquid
<b>Color</b>	Pale Yellow.
<b>Odor</b>	Pleasant (Sienna™)
<b>Odor threshold</b>	Not available.
<b>pH</b>	11.0 ± 0.3
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	212 °F (100 °C)
<b>Flash point</b>	None to boiling.
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Similar to water.
<b>Vapor density</b>	Similar to water.
<b>Relative density</b>	1.00 ± 0.01
<b>Relative density temperature</b>	75 °F (23.9 °C)
<b>Solubilities (water)</b>	Completely soluble.
<b>Partition Coefficient n-octanol/water</b>	Not available
<b>Auto-ignition temperature</b>	Not Available
<b>Decomposition temperature</b>	Not Available
<b>Viscosity</b>	< 10 cSt
<b>Viscosity Temperature</b>	75 °F (23.9 °C)

## Section 10 - Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to Avoid</b>	Do not mix with other chemicals. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong acids. Acids. Strong oxidizing agents. Oxidizing agents.
<b>Hazardous Decomposition Products</b>	No hazardous decomposition products are known.

## Section 11 - Toxicological information

Information on likely routes of exposure

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<b>Ingestion</b>	Expected to be a low ingestion hazard.
<b>Inhalation</b>	Prolonged inhalation may cause irritation to the respiratory system.
<b>Skin contact</b>	Skin contact may cause mild irritation. Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.
<b>Eye contact</b>	Direct contact with eyes causes irritation.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Direct contact with eyes causes irritation. Prolonged contact may cause skin irritation. May cause redness and irritation.

## Information on toxicological effects.

<b>Acute toxicity</b>	May be harmful if swallowed.				
Components	Level	Type	Code	Species	Results
2-Amino Ethanol (CAS 141-43-5)	Acute	Dermal	LD50	Rabbit	1025 mg/kg
	Acute	Oral	LD50	Rat	1715 mg/kg
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause irritation.				
<b>Serious eye damage/ eye irritation</b>	Direct contact with eyes causes irritation.				
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.				
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.				
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.				
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.				
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.				
<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 an aspiration hazard.				
<b>Chronic effects</b>	May be harmful if absorbed through skin. Prolonged inhalation may be harmful. Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.				

## Section 12 - Ecological Information

**Ecotoxicity** The RTU 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. The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

### Component(s)

2-Amino Ethanol (CAS 141-43-5)

### Aquatic

Level	Type	Code	Species	Test Results
Acute	Algae	EC50	Selenastrum capricornutum (new name Pseudokirchnerella subca	2.5 mg/l, 48 hours
	Crustacea	EC50	Daphnia magna	65 mg/l, 48 hours
	Fish	LC50	Goldfish (Carassius auratus)	170 mg/l, 96 hours
	Fish	LC50	Cyprinus carpio	349 mg/l, 96 hours

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

### Bioaccumulative potential

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

Components	Results
2-Amino Ethanol (CAS 141-43-5)	-1.31

**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

<b>Disposal instructions</b>	Dispose in accordance with applicable federal, state, and local regulations.
<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.

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## 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** 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.  
**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)** Not on regulatory list.  
**CERCLA Hazardous Substance List (40 CFR 302.4)** Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

<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>		Not listed.
<b>SARA 311/312 Hazardous chemical</b>		Yes

**SARA 313 (TRI reporting)** Not regulated.

### Other federal regulations

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) 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

<b>US.Massachusetts RTK - Substance List</b>	Components Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) 2-Amino Ethanol (CAS 141-43-5)
<b>US.New Jersey Worker and Community Right-to-Know Act</b>	Components Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) 2-Amino Ethanol (CAS 141-43-5)
<b>US.Pennsylvania RTK - Hazardous Substances</b>	Components Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) 2-Amino Ethanol (CAS 141-43-5)
<b>US.Rhode Island RTK</b>	Components 2-Amino Ethanol (CAS 141-43-5)
<b>US - California Proposition 65</b>	California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to expose you to 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)	No
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

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\*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** 6/1/2023

**Version #** 03

**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.