



SAFETY DATA SHEET

Section 1 - Identification

Product Identifier TP #2 Spray & Wipe Cleaner Super Concentrate RTU (1-32)
Other means of identification 4002 (1-32)
Recommended use Alkaline detergent.
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

	Classification	Category
Physical Hazards	Not Classified	
Health Hazards	Serious eye damage/eye irritation	2B
	Skin corrosion/irritation	3
OSHA defined hazards	Not Classified.	
Label Elements		
Hazard Symbol	None.	
Signal Word	Warning	
Hazard Statement	Causes eye irritation. Causes mild skin irritation.	
Precautionary statement		
Prevention	Do not breathe the mist or vapor. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.	
Response	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.	
Storage	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	CAS #	%
	Dipropylene Glycol Monomethyl Ether	34590-94-8	1 - 2
	2-Amino Ethanol	141-43-5	0.1 - 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 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. Wash contaminated clothing before reuse.
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 /effects, acute and delayed Causes 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.

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

Section 7 - Handling and storage

Precautions for safe handling Do not breathe the 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.
Conditions for safe storage, including any incompatibilities 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 ³ , 3 ppm	
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	TWA	600 mg/m ³ , 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 ³ , 6 ppm
2-Amino Ethanol (CAS 141-43-5)	TWA	8 mg/m ³ , 3 ppm
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	TWA	600 mg/m ³ , 100 ppm
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	STEL	900 mg/m ³ , 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

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.

Section 9 - Physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Thin, clear liquid
Color	Pale Yellow.
Odor	Pleasant (Sienna™)
Odor threshold	Not available.
pH	11.0 ± 0.3
Melting point/freezing point	Not available.
Initial boiling point and boiling range	212 °F (100 °C)
Flash point	None to boiling.
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)	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	Do not mix with other chemicals. Contact with incompatible materials.
Incompatible materials	Strong acids. Acids. Strong oxidizing agents. 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.

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Inhalation	Prolonged inhalation may cause irritation to the respiratory system.				
Skin contact	Skin contact may cause mild irritation.. Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.				
Eye contact	Direct contact with eyes causes irritation.				
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes causes irritation. Prolonged contact may cause skin irritation. May cause redness and irritation.				
Information on toxicological effects.					
Acute toxicity	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
Skin corrosion/irritation	Prolonged skin contact may cause irritation.				
Serious eye damage/ eye irritation	Direct contact with eyes causes irritation.				
Respiratory sensitization	Not a respiratory sensitizer.				
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 an aspiration hazard.				
Chronic effects	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, 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

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.

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 Superfund Amendments and Reauthorization Act of 1986 (SARA))	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 311/312 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 Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) 2-Amino Ethanol (CAS 141-43-5)
US.New Jersey Worker and Community Right-to-Know Act	Components Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) 2-Amino Ethanol (CAS 141-43-5)
US.Pennsylvania RTK - Hazardous Substances	Components Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) 2-Amino Ethanol (CAS 141-43-5)
US.Rhode Island RTK	Components 2-Amino Ethanol (CAS 141-43-5)
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)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECCS)	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

*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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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.