



World Class Cleaning & Hygiene Solutions™

SAFETY DATA SHEET

Section 1 - Identification

Product Identifier TP #2 Spray & Wipe Cleaner Super Concentrate
Other means of identification 4002
Recommended use Alkaline detergent.
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

SDS Hazards and Warnings are based on the undiluted product. Refer to diluted SDS for Ready-To-Use Hazards and Warnings.

Table with 3 columns: Classification, Category, and Hazard types (Physical, Health, OSHA defined). Includes entries for 'Not Classified', 'Serious eye damage/eye irritation', and 'Skin corrosion/irritation'.

Label Elements
Hazard Symbol



Signal Word Danger
Hazard Statement Causes severe skin burns and eye damage.
Precautionary statement Prevention Do not breathe mist or vapor. Wash thoroughly after handling.
Response If swallowed: Rinse mouth. Do NOT induce vomiting.
Storage Store locked up.
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

Table with 4 columns: Hazardous Components, Ingredient Name, CAS #, and %. Lists Dipropylene Glycol Monomethyl Ether and 2-Amino Ethanol.

Section 4 - First-aid Measures

Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
Skin contact Take off immediately all contaminated clothing. Rinse skin with water/shower.
Eye contact Immediately flush eyes with plenty of water for at least 15 minutes.
Ingestion Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting.

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Most Important symptoms or effects, acute and delayed

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. 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 5 - Fire-fighting measures

Suitable extinguishing media	Powder. Alcohol resistant foam. Carbon dioxide (CO ₂).
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.	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see 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 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
2-Amino Ethanol (CAS 141-43-5)	STEL	6 ppm	
2-Amino Ethanol (CAS 141-43-5)	TWA	3 ppm	
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	STEL	150 ppm	
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	TWA	100 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

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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	
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	Yellow.
Odor	Pleasant (Sienna™)
Odor threshold	Not available.
pH	12.4
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	1.01 ± 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	Reacts violently with strong acids. This product may react with oxidizing agents.
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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	Causes digestive tract burns. Harmful if swallowed.
Inhalation	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
Skin contact	Causes severe skin burns. Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.
Eye contact	Causes serious eye damage.
Symptoms related to the physical, chemical and toxicological characteristics	Burning pain and severe corrosive skin damage. Headache. Dizziness. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

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 Causes severe skin burns and eye damage.

Serious eye damage/ eye irritation Causes serious eye damage.

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 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)	2.5 mg/l, 48 hours
			Pseudokirchnerella subca	
	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.

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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

DOT

UN number	UN2491
Proper shipping name	Ethanolamine solution
Transport hazard class(es)	8
Subsidiary class(es)	-
Packing group	III
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Labels required	8
Special provisions	IB3, T4, TP1
Packaging exemption	154
Packaging non bulk	203
Packaging bulk	241

IATA

UN number	UN2491
UN proper shipping name	Ethanolamine solution
Transport hazard class(es)	8
Subsidiary class(es)	-
Packaging group	III
Environmental hazards	No
Labels required	Not available.
ERG Code	8L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other Information	

IMDG

UN number	UN2491
UN proper shipping name	ETHANOLAMINE SOLUTION
Transport hazard class(es)	8
Subsidiary class(es)	-
Packaging group	III
Environmental hazards	No.
Marine pollutant	
Labels required	Not available.
EmS	F-A, S-B
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

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	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)

Hazard Categories	Immediate Hazard	Yes
	Delayed Hazard	No
	Fire Hazard	No
	Pressure Hazard	No
	Reactivity Hazard	No

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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 (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

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 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

*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

HMIS Hazard Codes

PPE A

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.