NATIONAL CHEMICAL LABORATORIES, INC.

World Class Cleaning Solutions®

SAFETY DATA SHEET

Section 1 - Identification

Product Identifier	7 Healthcare Disinfectant Neutral Cleaner
Other means of identification	4007
Recommended use	Neutral Disinfectant Cleaner Deodorizer
Recommended restrictions	EPA Registered Product. For Commercial and Industrial Use Only. This product is intended to be diluted prior to use.

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.

	Classification	Category
Physical Hazards	Not Classified	
Health Hazards	Acute toxicity, dermal	4
	Acute toxicity, oral	4
	Serious eye damage/eye irritation	1
	Skin corrosion/irritation	1B
Environmental Hazards		**Category**
	Hazardous to the aquatic environment, acute hazard.	2
OSHA defined hazards	Not Classified.	

Label Elements

Hazard Symbol

Signal Word	Danger
Hazard Statement	Causes severe skin burns and eye damage. Harmful if swallowed. Toxic to aquatic life.

Precautionary statement

Prevention	Wear protective gloves. Wear eye/face protection. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.
Response	If on skin: Wash with plenty of soap and water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell. Do NOT induce vomiting. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Take off contaminated clothing and wash before reuse.
Storage	Keep container tightly closed,. 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 #	%
Didecyl dimethyl ammonium chloride	7173-51-5	6 - 9
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	4 - 7
Tetrasodium ethylenediamine tetraacetate	64-02-8	1 - 4
4-Nonylphenol, branched, ethoxylated	127087-87-0	1 - 4
Ethyl Alcohol	64-17-5	1 - 3

Composition Comments Components not listed are either non-hazardous or are below reportable limits.

Section 4 - First-aid Measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing. Wash with plenty of soap and water. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.

Eye contact Immediately 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. 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 Corrosive effects. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Causes severe skin burns. Prolonged or repeated skin contact may aggravate
existing skin conditions. Inhalation of mists may aggravate existing chronic respiratory conditions such as asthma, emphysema or bronchitis.

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. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

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 so without risk.

General fire hazards No unusual fire or explosion hazards noted.

Specific Methods Use standard fire fighting 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 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. 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 Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage.

Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Store away from foodstuffs. 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
Ethyl Alcohol (CAS 64-17-5)	TWA	1900 mg/m³, 1000 ppm	

US. ACGIH Threshold Limit Values

Component	Type	Value	Form
Ethyl Alcohol (CAS 64-17-5)	STEL	1000 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Ethyl Alcohol (CAS 64-17-5)	IDLH	3300 ppm

Ethyl Alcohol (CAS 64-17-5)	TWA	1900 mg/m³, 1000 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

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** Clear, thin liquid.
- **Color** Opalescent yellow.

Odor Fresh, Clean (Sienna™)

Odor threshold Not available.

pH 7.4

Melting point/freezing point Not available.

Initial boinging 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 Not available.

Relative density 1.01 ± 0.01

Relative density temperature 75 °F (23.9 °C)

Solubilities (water) Completely soluable.

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.

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

Conditions to Avoid Contact with incompatible materials.

Incompatible materials Strong oxidizing agents. Anionic surfactants.

Hazardous Decomposition Products No hazardous decomposition products are known.

Section 11 - Toxicological information

Information on likely routes of exposure

- **Ingestion** Harmful if swallowed.
- **Inhalation** May cause irritation to the respiratory system. Prolonged inhalation may be harmful.

Skin contact Causes severe skin burns.

Eye contact Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Burning pain and severe corrosive skin damage.

Information on toxicological effects.

Acute toxicity Harnful if swallowed.

Components	Level	Type	Code	Species	Results
Alkyl dimethyl benzyl ammonium chloride (C12-16) (CAS 68424-85-1)	Acute	Dermal	LD50	Rat	3560 mg/kg
	Acute	Oral	LD50	Rat	430 mg/kg
Didecyl dimethyl ammonium chloride (CAS 7173-51-5)	Acute	Dermal	LD50	Rabbit (Male / Female)	3140 / 2730 mg/kg
	Acute	Oral	LD50	Rat (Male / Female)	238 / 331 mg/kg
Ethyl Alcohol (CAS 64-17-5)	Acute	Inhalation Vapor	LC50	Rat	117 - 125 mg/l, 4 h
	Acute	Oral	LD50	Rat	10470 mg/kg

Skin corrosion/irritation Causes severe skin burns.

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 Prolonged inhalation may be harmful.

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)

Alkyl dimethyl benzyl ammonium chloride (C12-16), 68424-85-1

Aquatic

Level	Type	Code	Species	Test Results
Chronic	Crustacea	NOEL	Daphnia	0.0042 mg/l
Acute	Fish	EC50	Oncorhynchus mykiss (rainbow trout) Remarks: No toxicity at the limit of solubility.	>0.022 mg/l, 96 hours
	Fish	LC50	Bluegill (Lepomis macrochirus)	0.515 mg/l

Didecyl dimethyl ammonium chloride, 7173-51-5

Aquatic

Aquatic	Algae	EC50	Algae	0.062 mg/l, 72 h
Acute	Crustacea	LC50	Daphnia	0.057 mg/l, 48 h
Chronic	Crustacea	NOEC	Daphnia	0.01 mg/l
Aquatic	Crustacea	NOEC	Daphnia	0.021 mg/l, 21 d
Acute	Fish	LC50	Bluegill (Lepomis macrochirus)	0.032 mg/l, 96 h
Aquatic	Fish	LC50	Danio rerio	0.97 mg/l, 96 h

4-Nonylphenol, branched, ethoxylated, 127087-87-0

Aquatic

Acute	Crustacea	EC50	Water flea (Daphnia magna)	12.2 mg/l, 48 hours
	Fish	LC50	Bluegill (lepomis macrochirus)	1 - 1.8 mg/l 96 hours

Ethyl Alcohol, 64-17-5

Aquatic

Acute	Algae	EC50	Algae	675 mg/l, 72 h
	Crustacea	EC50	Daphnia	5012 mg/l, 48 h
Chronic	Crustacea	NOEC	Daphnia	9.6 mg/l, 9 d

Acute	Fish	LC50	Fathead minnow (Pimephales promelas)	14200 mg/l, 96 h

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

Bioaccumulative potential

Partition coeficient n-octanol / water log (Kow)

Components	Results
4-Nonylphenol, branched, ethoxylated (CAS 127087-87-0)	2.1 - 3.4 (Calculated)
Ethyl Alcohol (CAS 64-17-5)	-0.31

Mobility in soil Expected to be highly mobile in soil.

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 PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental
Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
CONTAINER DISPOSAL - Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container promptly after emptying.
(For containers 5 gallons or less):
Triple rinse as follows: Fill container 1/4 full with water and recap. Agitate vigorously. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.
(For containers greater than 5 gallons):
Triple rinse as follows: Fill container 1/4 full with water. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure
two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.
PACKET DISPOSAL - Do not reuse; discard empty container and put in trash.

Local disposal regulations Dispose of in accordance with local regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14 - Transport information

DOT

UN number	UN1903
Proper shipping name	DISINFECTANT LIQUID CORROSIVE, N.O.S. (QUATERNARY AMMONIUM COMPOUND)
Transport hazard class(es)	8
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	UN1903
UN proper shipping name	DISINFECTANT LIQUID CORROSIVE, N.O.S. (QUATERNARY AMMONIUM COMPOUND)
Transport hazard class(es)	8
Packaging group	III
Environmental hazards	No
ERG Code	8L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other Information	

IMDG

UN number	UN1903
UN proper shipping name	DISINFECTANT LIQUID CORROSIVE, N.O.S. (QUATERNARY AMMONIUM COMPOUND)
Transport hazard class(es)	8
Packaging group	III

Environmental hazards	No
Marine pollutant	
EmS	F-A, S-B
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
General Information	This substance/mixture is not intended to be transported in bulk.

Section 15 - Regulatory Information

US federal regulations

This product is a U.S. EPA registered pesticide.
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 listed.

CERCLA Hazardous Substance List (40 CFR 302.4

Components	Result
Ethyl Alcohol (CAS 64-17-5)	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
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 Ethyl Alcohol (CAS 64-17-5)
US.New Jersey Worker and Community Right-to-Know Act	Components Ethyl Alcohol (CAS 64-17-5)
US.Pennsylvania RTK - Hazardous Substances	Components Ethyl Alcohol (CAS 64-17-5)
US.Rhode Island RTK	Not regulated.
US - California Proposition 65	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

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)**	No
Europe	**European List of Notifed Chemical Substances (ELINCS)**	No
Japan	**Inventory of Existing and New Chemical Substances (ENCS)**	Yes
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
Further information	Some information may conflict with EPA mandated label information.

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.