

EPA NUMBER: 10324-154

NEUTRA QUAT

NEUTRAL DISINFECTANT CLEANER DEGREASER



Description

A hospital grade, neutral type disinfectant cleaner deodorant. This highly fragranced disinfectant cleaner is effective in hard waters up to 400 ppm plus 5% organic serum. An economical dilution of 2 ounces per gallon is required for effective disinfecting of inanimate, non-porous hard surfaces found in schools, animal laboratories, and all health care facilities. This dual quaternary product is also effective against the HIV-1 AIDS virus).

Features

- ✓ Neutral pH
- ✓ Highly fragranced
- ✓ Biodegradable, phosphate free formulation
- ✓ Cleans, disinfects & deodorizes in one operation
- ✓ Kills HIV-1 (AIDS virus)

Benefits

- ✓ Ideal for floor finish maintenance
- ✓ Cosmetically appealing even at end use dilution 1:64
- ✓ Environmentally responsible
- ✓ Multiple activity reduces maintenance time and cost
- ✓ Reduces danger of contamination from hard surfaces

Specifications

Appearance.....	Water thin liquid	Hard Water Stable.....	Yes
Odor.....	Blue, purf fragrance	Pseudomonacidal.....	Yes
pH Concentrate.....	7.0 ± .2	Staphylocidal.....	Yes
Active Ingredients.....	Dual Quaternary	Fungicidal.....	Yes
Specific Gravity.....	1.00 ± .2	Salmonellacidal.....	Yes
Density.....	8.34 lbs./gal	Virucidal.....	Yes
Upper Cloud.....	130° F	Deodorizing.....	Very Good
Lower Cloud.....	33° F	Disinfecting.....	Excellent
Flash Point.....	None	Cleaning.....	Excellent
Phosphates.....	None	Shelf Life.....	1 Year Minimum in Original Unopened Container
Biodegradable.....	Yes		

Directions for Use

GENERAL USE DIRECTIONS: Recommended for use in hospitals, nursing homes, schools, colleges, commercial and industrial institutions, office buildings, veterinary clinics, animal life laboratories, equine farms, tack shops, pet shops, airports, kennels, hotels, motels, breeding establishments, grooming establishments, and households. Disinfects, cleans, and deodorizes floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, plastic surfaces (such as polypropylene, polystyrene, etc.), and other hard, non-porous surfaces. **APPLICATION:** Remove heavy soil deposits from surface. Then thoroughly wet surface with a solution of 2 ounces of concentrate per gallon of water. The solution can be applied with a cloth, mop, sponge, or coarse spray, or soaking. Let solution remain on surface for a minimum of 10 minutes. Rinse and allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished. Prepare a fresh solution daily or more often if the solution becomes visibly dirty or diluted.

MILDEWSTATIC INSTRUCTIONS: Will effectively control the growth of mold and mildew plus the odors caused by them when applied to hard, non-porous surfaces such as walls, floors, and table tops. Apply solution (2 ounces per gallon of water) with a cloth, mop, or sponge or coarse spray. Make sure to wet all surfaces completely. Let air dry. Repeat application weekly or when growth reappears.

Kills HIV-1 (AIDS virus) on pre-cleaned environmental surfaces/ objects previously soiled with blood/body fluids in healthcare settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood/body fluids, and in which the surface/objects likely to be soiled with blood/body fluids can be associated with the potential for transmission of human immunodeficiency virus Type 1 (HIV-1) (associated with AIDS).

Safety Information

Registered with the Environmental Protection Agency

Authorized by the USDA.

OSHA Material Safety Data Sheet available upon request.

Keep Out of Reach of Children

CAUTION

PRECAUTIONARY STATEMENTS: Hazards to Humans and Domestic Animals.

Causes Eye Irritation.

Avoid Contact with Eyes.

Wash Thoroughly After Handling.

SOLD EXCLUSIVELY BY:

Leonard Paper Company

725 N. Haven St., Baltimore, MD 21205
410-563-0800 • 800-327-5547 • Fax: 410-563-0249
www.leonardpaper.com

SAFETY DATA SHEET

Conforms to OSHA HazCom 2012 Standard

Section 1 - Identification

Product Identifier NEUTRA QUAT Neutral Disinfectant Cleaner Deodorant
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 Leonard Paper Company
Address 725 North Haven Street, Baltimore, MD 21205-2986
Telephone 443-278-8264
Supplier Email info@leonardpaper.com
Contact Christy
Emergency Phone 1 (800) 327-5547

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, oral	4	
	Serious eye damage/eye irritation	1	
	Skin corrosion/irritation	2	
Environmental Hazards		Category	Target Organ
	Hazardous to the aquatic environment, acute hazard.	2	
OSHA defined hazards	Not Classified.		

Label Elements

Hazard Symbol



Signal Word

Danger

Hazard statement

Causes skin irritation. Causes serious eye damage. Harmful if swallowed. Toxic to aquatic life.

Precautionary statement

Prevention

Wash thoroughly after handling. Wear protective gloves. Wear eye/face protection.

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. Take off contaminated clothing and wash before reuse.

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 #	%
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	1 - 3
Didecyl dimethyl ammonium chloride	7173-51-5	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

SAFETY DATA SHEET

Conforms to OSHA HazCom 2012 Standard

Eye contact	attention if irritation develops and persists. Wash contaminated clothing before reuse. 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	Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.
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 5 - Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. 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 /instruction	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	No exposure limits noted for ingredient(s).
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

SAFETY DATA SHEET

Conforms to OSHA HazCom 2012 Standard

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

Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Wear appropriate chemical resistant gloves.

Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

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

Blue.

Odor

Floral.

Odor threshold

Not available.

pH

7.4

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

Not available.

Relative density

1.00 ± 0.01

Relative density temperature

75 °F (23.89 °C)

Solubilities

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 (23.89 °C)

Section 10 - Stability and reactivity

Reactivity

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

Chemical stability

Material is stable under normal conditions.

Possibility of hazardous reaction

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.

SAFETY DATA SHEET

Conforms to OSHA HazCom 2012 Standard

Inhalation	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation.
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. Skin irritation. May cause redness and pain.
Information on toxicological effects.	
Acute toxicity	Harmful 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
Skin corrosion/irritation	Causes skin irritation.
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.

Components

Didecyl dimethyl ammonium chloride, 7173-51-5

Aquatic

Aquatic	Algae	EC50	Algae	0.062 mg/l, 72 h
	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

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

Aquatic

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

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

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

SAFETY DATA SHEET

Conforms to OSHA HazCom 2012 Standard

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.

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

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

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 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-

Not listed.

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

SARA 302 Extremely hazardous substance Not listed.

SAFETY DATA SHEET

Conforms to OSHA HazCom 2012 Standard

SARA 311/312 Hazardous chemical	Yes
SARA 313 (TRI reporting)	Not regulated.
Other federal regulations	
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants	
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	Not regulated.
US.New Jersey Worker and Community Right-to-Know Act	Not listed.
US.Pennsylvania RTK - Hazardous Substances	Not listed.
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 Notified 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

Issue date	1/12/2016
Version #	01
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.