

1. Product and Company Identification

Product Name	ConQuat II	Supplier	LAst Group Enterprises
Synonyms	One Step Disinfectant Germicidal Detergent and Deodorant mixture	Address	PO Box 120441 Arlington, TX 76012
CAS Number	10324-154-61840	Telephone	800-344-5278 or 817-265-0590
EPA Registration No.	10324-154-61840	Manufacturer:	Advanced Blending, Inc.
Product Use	Disinfectant, Non-Food Contact Sanitizer, Cleaner, Mildewstat, Fungicide, Virucide* and Deodorizer This product is intended to be diluted prior to use. For further information refer to the EPA Registered product label. Uses other than those identified are not recommended.	Address	5230 SE Loop 820 Forest Hills, TX 76140
		Telephone	817-477-8022

Emergency Number - CHEMTREC (USA): 1-800-424-9300

2. Hazards Identification

Emergency Overview: DANGER! Causes severe skin burns and eye damage. Causes serious eye damage. Harmful if swallowed. Corrosive Liquid. Harmful to aquatic life. Keep out of reach of children. Read label before use.

Skin: Causes severe skin burns and eye damage.

Eyes: Causes serious eye damage.

Inhalation: May be harmful if inhaled. Avoid breathing vapors or mist. Prolonged or excessive inhalation may cause respiratory tract irritation of the mucous membranes.

Ingestion: Harmful if swallowed. Ingestion can cause irritation and or burns of the mouth, throat and esophagus.

Chronic exposure: Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitisation of susceptible person. No known carcinogenic effects.

PICTOGRAMS



Precautionary Statements

Read label before use.
Keep out of reach of children.
Do not eat, drink or smoke when using this product.
Wash hands thoroughly after handling.
Wear protective gloves, eye and face protection.
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
Avoid release into the environment.

3. Composition / Information on Ingredients

<u>Component</u>	<u>CAS Number</u>	<u>Weight %</u>
didecyl dimethyl ammonium chloride	7173-51-5	< 3.0
n-alkyl (C ₁₂ -C ₁₆) dimethyl benzyl ammonium chloride	68424-85-1	< 3.0
nonylphenol polyethylene glycol ether	127087-87-0	< 3.0

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

4. First Aid Measures

Eye	Causes serious eye irritation and or burns. Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get immediate medical attention.
Skin	Causes skin irritation and or burns. Flush immediately with large amounts of water while removing contaminated clothing. Wash contaminated clothing before reuse.
Inhalation	Possible nasal irritation. Remove exposed person from source of exposure to fresh air.
Ingestion	Drink copious amounts of water. Seek medical attention. Do not induce vomiting unless directed by medical personnel.

5. Fire Fighting Measures

Extinguishing Media	Use dry chemical, foam, or carbon dioxide to extinguish fire. Water may be ineffective but should be used to cool fire-exposed containers, structures and to protect personnel. Use water to dilute spills and to flush them away from sources of ignition.
Fire Fighting Procedures	Do not flush down sewers or other drainage systems. Exposed firefighters must wear NIOSH approved positive pressure self contained breathing apparatus with full mask and full protective clothing.
Unusual Fire and Explosion Hazards	Not considered to be a fire hazard.
Combustion Products	Irritating substances may be emitted upon thermal decomposition. Thermal decomposition products may include oxides.

6. Accidental Release Measures

Use suitable safety equipment including nitrile gloves and safety glasses. Stop leak if possible to do so without risk.

Small spills clean up with sand or other noncombustible absorbent material and place into containers for later disposal. Large spills contain with dike ahead of spill for later disposal. (See Section 8) Flush with water to clean contaminated area. Do not flush to sewer or waterways. Prevent release to the environment if possible.

7. Handling and Storage

Handling	Do not get in eyes, on skin or clothing. Do not breathe vapor or mists. Keep container closed. Use with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking or smoking. Remove contaminated clothing and clean before re-use.
Storage	Store in tightly closed containers in cool, dry, well-ventilated area away from heat, sources of ignition and incompatibles. Ground lines and equipment to reduce possibility of static spark initiated fire. Store between 0 C (32 F) - 37.7 C (100 F). Best if stored out of direct sunlight. Keep container closed and upright when not in use. Protect container against physical damage.

8. Exposure Controls / Personal Protection

Exposure Limits	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.	
Engineering Controls	Local exhaust ventilation may be necessary to control ventilation for confined spaces. Use explosion proof ventilation equipment.	
Personal Protective Equipment (PPE)	Eye Protection	Wear chemical safety goggles (glasses). Have eye wash stations available where eye contact can occur.
	Skin Protection	Avoid skin contact. Wear gloves impervious to conditions of use. Additional protection may be necessary to prevent skin contact including apron, face shield or boots.
	Respiratory Protection	If exposure limits are exceeded, NIOSH approved respiratory protection should be worn. For unknown concentrations and for oxygen deficient atmospheres use a NIOSH approved air supplied respirator.

9. Physical and Chemical Properties

Flash Point	> 93 C (200 F)	Lower Flammability Limit	N/A
Autoignition Temperature	N/A	Upper Flammability Limit	N/A
Boiling Point	100 C	Specific Gravity (g/mL @ 25 C)	1.000 - 1.040
Melting Point	N/A	% Volatile	N/A
Vapor Pressure	N/A	Evaporation Rate (water=1)	1
Vapor Density (Air=1)	N/A	Viscosity (cP)	1 - 20
Solubility in water	soluble	Octanol/Water Partition Coefficient	N/A
Pour Point	0 C / 32 F	pH (neat @ 25 C)	6 - 8
Odor	citrus	Molecular Weight	mixture
Appearance	clear yellow liquid		

10. Stability and Reactivity

Chemical Stability	Stable
Possibility of Hazardous Reactions	Hazardous polymerization will not occur
Conditions to Avoid	None known
Incompatible Materials	strong acids, lead, tin/tin oxides, zinc and aluminum
Hazardous Decomposition	The following may form during or at extremely high temperatures: Oxides

11. Toxicological Information

Signs and Symptoms of Overexposure Eye and nasal irritation with itching of the skin.

Acute Toxicity

Eyes	Direct contact may cause redness, discomfort and burning.
Skin	No significant irritation expected from a single short-term exposure
Inhalation	No significant irritation expected from a single short-term exposure
Ingestion	Low ingestion hazard in normal use.

Chronic Toxicity

Eyes	None known
Skin	None known
Inhalation	None known
Ingestion	Repeated ingestion or swallowing large amounts may cause diarrhea or vomiting

12. Ecological Information

Ecotoxicity Harmful to aquatic life

Bioaccumulation is not expected to be significant.

13. Disposal Considerations**Waste Disposal Method**

This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other state and local regulations. Dispose in accordance with local, provincial and federal regulations at a licensed hazardous waste disposal facility. It is the responsibility of the end user to determine if the material meets the criteria of hazardous waste at the time of disposal. Empty containers that have not been rinsed and purged, contain residual material and must be disposed of or recycled in accordance with local regulations.

14. Transport Information**United States Department of Transportation (U.S. DOT)**

BULK Transport: UN1903, Disinfectants, Corrosive Liquid, n.o.s., (Quaternary Ammonium Compound), 8, PG III
Not regulated for smaller quantities*

* Shipping descriptions may vary based on mode of transportation, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

International Maritime Dangerous Goods (IMO / IMDG)

Not regulated

International Air Transport Association (IATA)

Not regulated

Transportation of Dangerous Goods (TDG)

Not regulated

Agreement on Dangerous Goods by Road (ADR)

Not regulated

15. Regulatory Information

U.S. Federal Regulations

Clean Air Act (CCA) This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61)

EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances (40 CFR 355) None

Section 304 CERCLA Hazardous Substances (40 CFR 302) None

Section 311/312 Hazard Class (40 CFR 370)

Acute: Yes **Chronic:** No **Fire:** No **Pressure:** No **Reactive:** No

Section 313 Toxic Chemicals (40 CFR 372) None

EPA Registration No. 10324-154-61840

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EPA Statement This chemical is a EPA registered product and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals.

International Regulations

Canadian Environmental Protection Act All of the components of this product are included on the Canadian Domestic Substances list (DSL).

Canadian Workplace Hazardous Materials Information System (WHMIS) Class E / Corrosive Material Class
D2B / Toxic material causing other toxic effects

Chemical Inventories

TSCA All ingredients are on the inventory.
DSL All ingredients are on the inventory.
EINECS All ingredients are on or exempted from the inventory.
AICS All ingredients are on the inventory.
IECSC All ingredients are on the inventory.
KECL All ingredients are on the inventory.
NZIoC All ingredients are on the inventory.
PICCS All ingredients are on the inventory.

16. Other Information

National Fire Protection Association (NFPA) Ratings This information is intended solely for individuals trained in the NFPA.

Health:	2	0 - LEAST
Flammability:	0	1 - SLIGHT
Reactivity:	0	2 - MODERATE
Other	-	3 - HIGH
		4 - EXTREME

Revisions Date January 17, 2016

Disclaimer

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. This information relates to the specific product designated and may not be valid for such product used in combination with any other materials or in any other processes. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty, or guarantee is made as to its accuracy, reliability, or completeness. It is user's responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement. End users are responsible for compliance with local, state, and federal regulations that may be pertinent in the storage, application, and disposal of this product.

Abbreviations and acronyms:

ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EPA	Environmental Protection Agency	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%	N/A	Not Available