

NATIONAL CHEMICAL LABORATORIES, INC.

SAFETY DATA SHEET

	SAFEITDA								
	Section 1 - I	dentification							
Product Identifier	CITRUS FLOWER-QUAT Dis	infectant, Cleaner, Mildewstat,	Fungicide, Virucide, D	eodorizer					
Other means of identification	n 0234	0234							
Recommended use	Disinfectant.	Disinfectant.							
Recommended restrictions	EPA Registered Product. For commercial and industrial use only.								
Manufacturer / Importer / S	upplier / 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 - Hazar	d(s) Identification							
SDS Hazards	and Warnings are based on the undiluted product	. Refer to diluted SDS for Read	y-To-Use Hazards an	d Warnings.					
	Classification	Category							
Physical Hazards	Not Classified								
Health Hazards	Serious eye damage/eye irritation	2A							
	Skin corrosion/irritation	2							
OSHA defined hazards	Not Classified.								
Label Elements									
Hazard Symbol									
Hazard Statement recautionary statement Prevention Response Storage Disposal	Causes skin irritation. Causes serious eye irritation. Wash thoroughly after handling. Wear protective g If on skin: Wash with plenty of water. If in eyes: Rin present and easy to do. Continue rinsing. If skin irr medical advice/attention. Take off contaminated of Store away from incompatible materials. Dispose of waste and residues in accordance with	gloves. Wear eye/face protection nse cautiously with water for sev itation occurs: Get medical advid lothing and wash before reuse.	veral minutes. Remov						
azard(s) not otherwise assified (HNOC)	None known.								
	Section 3 - Composition/I	nformation on ingre	edients						
Mixture									
Hazardous Components	Ingredient Name		CAS #	%					
	Didecyl dimethyl ammonium chloride		7173-51-5	1 - 3					
	4-Nonylphenol, branched, ethoxylated		127087-87-0	0.1 - 2					
	Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	0.1 - 1.0					
	Section 4 - Firs	st-aid Measures							
nhalation	Move to fresh air. Call a physician if symptom	ns develop or persist.							
Skin contact	Remove contaminated clothing. Wash with p Wash contaminated clothing before reuse.								
Eye contact	Continue rinsing. Get medical attention if irri	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. Get medical attention if irritation	on develops and persists.							
Most Important symptoms o	r effects, acute and delayed								
	Severe eye irritation. Symptoms may include redness and pain.	stinging, tearing, redness, swell	ing, and blurred visio	n. Skin irritation. May cause					

Do not use water jet as an extinguisher, as this will spread the fire.

Indication of immediate medical attention and special treatment needed

Unsuitable extinguishing

General Information	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. 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 (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 it 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	Do not get this material in contact with eyes. Avoid contact with skin. Avoid contact with clothing. Provide adequate
	ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.
	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	DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. PESTICIDE STORAGE: Store in a dry place no lower in temperature than 50°F or higher than 120°F. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).
	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	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 established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.
Individual protection measures, s	uch as personal protective equipment
Eye/face protection Skin protection	If use of product risks exposure to contact, wear safety glasses with side shields.
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 protectiveequipment to remove contaminants.
	Section 9 - Physical and chemical properties
Appearance	

Physical state

Liquid.

Form	Clear, thin liquid.
Color	Blue.
Odor	Citrus Flower
Odor threshold	Not available.
рН	7.5
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 expl	losive 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 (23.9 °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

The product is stable and non-reactive under normal conditions of use, storage and transport.
Material is stable under normal conditions.
No dangerous reaction known under conditions of normal use.
Contact with incompatible materials.
Strong oxidizing agents.
No hazardous decomposition products are known.

Section 11 - Toxicological information

	CCC.		,							
Information on likely routes of	exposure									
Ingestion	Expected to be a low ingestion hazard.									
Inhalation	No adverse effects due t	o inhalation a	re expected.							
Skin contact	Causes skin irritation.									
Eye contact	Causes serious eye irrita	Causes serious eye irritation.								
Symptoms related to the physical, chemical and toxicological characteristics		Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.								
Information on toxicological ef	fects.									
Acute toxicity	Not expected to be acut	ely toxic.								
Components		Level	Туре	Code	Species	Results				
Alkyl dimethyl benzyl amn (CAS 68424-85-1)	nonium chloride (C12-16)	Acute	Dermal	LD50	Rat	3560 mg/kg				
		Acute	Oral	LD50	Rat	430 mg/kg				
Didecyl dimethyl ammoniu	um 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 irrita	tion.								
Respiratory sensitization	Not a respiratory sensitized	zer.								

Skin sensitization This product is not expected to cause sin sensitization. General mutagenic and sensitization and sensitization may be accinogeneity prevent at greater than 0.1% are mutagenic or genotoxic. Genomesin Mutagenic and sensitization may be accinogeneity MAC, ACGH, MTP, or OSHA. Reproductive toxicity This product is not expected to cause reproductive or developmental effects. Reproductive toxicity Not classified. Reproductive there environmental effects. Reproductive toxicity Not classified. Reproductive there environmental effects (e.g. conse depletion, photochemical core creation potential, endocrine disruption, photochemical environmental Reproductive there environmental effects (e.g. conse depletion, photochemical core previ	Germ cell mutagenicity						
Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Reproductive toxicity Reproductive		No data available to indicate product o	ar any components present at greater than 0.1% are mutagenic or genetoxic				
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signate oppose appriation based thronic effects Prolonged inhalation may be harmful. Extension is defected on the application for a substance which is took to equatic organisms and which may cause long-term adverse effects in the equatic environment. Persistence and degradability No data is available on the degradability of this product. Bioaccumulative potential Persistence and degradability No data is available on the degradability of this product. Bioaccumulative potential Alkyl dimethyl bencyl armonium chioride (C12-16) (CAS S8424-8) Alkyl dimethyl bencyl armonium chioride (C12-16) (CAS S8424-8) Differs adverse effects No data available. No data available. No data available. No data available. No ther adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine dirffers yes Mobility in soll No data available. No ther adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine dirffers yes Mobility in soll No data available. No ther adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine dirffers yes Mobility in soll No ther adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine dirffers yes Mobility in soll No ther adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine dirffers yes Mobility in soll No ther adverse environmental Control Agency, or the tearardinus Water representative at the nearest EVA legional of recerse specific for recycling, if available. CONTIAINER DISPOSAL - Nonefiliable container. Do not reuse or refill this container. Offer for recycling, if available. CONTIAINER DISPOSAL - Nonefiliable container. Do not reuse or refill this container. More applicable federal, state, and local regulations. Harardous wate codes Muste effects (e.g. state, and local regulations. Dispose in accordance with applicable federal, state, and local r		Not classified.					
Chronic effects Prolonged inhalation may be harmful. Exection 12 - Ecological Information Partition coefficient n-octanol / water log (Kow) Partition coefficient n-octanol / water log (Kow) Anonybein branched, ethonylated (CAS 127087-87-0) 2.1 - 3.4 (Calculated) Alky dimethyl benryl amonium chleride (C12-16) (CAS 68242 Method) Results -Anonybein branched, ethonylated (CAS 127087-87-0) 2.1 - 3.4 (Calculated) Alky dimethyl benryl amonium chleride (C12-16) (CAS 68242 Method) Results -Components Results -Anonybein (Struck Hender) No data available. No thera averse effects No data available. No thera averse effects No thera averse effects (c.g. cozone depletion, photochemical acone creation potential, endocrine dirughtin, global warming potential) are expected from this component. Disposal instructions PSTICIDE DISPOSAL - Pesticide wates are acute hy hazardous. Improper disposal of excess pesticide, spray mitture, or misse is a volation of ferderal Law (Hene wastes cannot be disposed of by use ecording to label instructions on traces are earter hy hazardous. Improper disposal of ferder spray. CONTAINER DISPOSAL - Nonerfiliable container. Do not reuse or refil this container. Def for recycling, if available. Triple rine as 500000000000000000000000000000000000		Not classified.					
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Extendicity The product contains a substance which is toxic to aquistic organisms and which may cause long-term adverse effects in the aquatic environment. Persistence and degradability Bioaccumulative potential Description Partition certification - of the distance which is toxic to aquistic organisms and which may cause long-term adverse effects in the aquatic environment. Essitis 4-Noncylphenol, branched, ethoxylated (CA 127087-87-0) 2.1-3.4 (Calculated) 4-Noncylphenol, branched, ethoxylated (CA 127087-87-0) 2.1-3.4 (Calculated) Alkyl dimethyl benzyl ammonium chloride (C12-16) (CA 6842+8 Tog Form 2.75 (20°C) Method: (CCD Test Guideline 107 GLP: yes Wobility in soil No other adverse environmental effects (e.g. corane depletion, photochemical corane creation potential, endocrine disruption, global warming potential) are expected from this component. Disposal instructions PESTICIDE DISPOSAL – Pesticide wastes are acutely heardous. Improper disposal of excess pesticide, spray mixture, or rinstate is a volation of Federal taw, if these wastes cannot be disposed of by use according to label instructions contact your State Pesticide Container. Jo not reuse or refill this container. Offer for recycling, if available. Triple rinse container groupity after emptying. (For containers galenos or less): Triple rinse a follows: Fill container 1/4 full why water and recap. Agitate vigorously, Follow Pesticide Disposal instructions for rinstate disposal. The outpatients may retain acount the disposal of in a sate manance or fills this container. Differ for recycling, of	Chronic effects	Prolonged inhalation may be harmful.					
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Guideline 107 GP: yes 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. 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 of Finvionental CONTAINER DISPOSAL - Netticide vastes are acutely hazardous. Improper disposal of fexcess 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 of Finvionental CONTAINER DISPOSAL - Normental CONTAINER DISPOSAL - Normelilable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container prompty after emptying. (For containers S gallons or reles): Triple rinse as follows: Fill container 1/4 full with water and recap. Agitate vigorously. Follow Pesticide Disposal instructions for rinsate disposal. Dran for 10 seconds after the flow begins to dip. Repeat procedure two more times. Then offer for recycling or recorditioning. If not available, puncture and dispose in a sanitary landfil. Waste from resides / unused Dispose of in accordance with local regulations. Waste form resides / unused Dispose of in accordance with local regulations. Dispose of in accordance with local regulations. Dispose of in accordance with local regulations. Dispose of in accordance with local regulations. Dispose of in accorda	Alkyl dimethyl benzyl amm	onium chloride (C12-16) (CAS 68424-8	5 (),				
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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. Pennsylvania RTK - Hazardous Substances Not regulated. US. Rhode Island RTK Not regulated. US. California Proposition 65 This material is not know to expose you to a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. International Inventories On Inventory (yes/no)* Canada Domestic Substances List (DSL) Yes Canada Non-Domestic Substances Ist (NDSL) No China Inventory of Existing Chemical Substances in China (IECSC) Yes Europe European Inventory of Existing Commercial Chemical Substances (EINCS) No Japan Inventory of Existing Chemical Substances (EINCS) Yes Korea Keisting Chemical Substances (EINCS) Yes Now Zealand New Zealand Inventory of Existing Chemical Substances (EINCS) Yes Philippines New Zealand Inventory of Existing Chemical Substances (EINCS) Yes Inventory of Existing Chemical Substances (EINCS) Yes Yes Inventory of Existing Chemical Substances	Food and Drug Admin	istration (FDA) Not reg	ulated.			
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US. Rhode Island RTK Not regulated. US - California Proposition 65 This material is not know to expose you to 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 Chemical Substances (EINCS) No Japan Inventory of Existing and New Chemical Substances (EINCS) Yes Korea Existing Chemicals List (ECL) Yes New Zealand New Zealand Inventory Yes Philippines Philippine Inventory of Chemicals and Chemical Substances (EINCS) Yes Yes Yes Yes Yes Korea Existing Chemicals List (ECL) Yes New Zealand New Zealand Inventory of Chemicals Substances Yes Inventory of Existing Chemicals and Chemical Substances Yes Yes	US.New Jersey Worker	and Community Right-t	o-Know Act	Not listed.		
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Unites States Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes						
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					the governing country(s)	105

*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

"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

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Revision date	6/1/2023					
Version #	03					
Further information	Some information m	ay conflict with EPA mane	lated label information.			
HMIS Hazard Codes	Health 2 I	Flammability 0	Physical Hazard	0	PPE	С
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