

SAFETY DATA SHEET

Lysol Laundry Sanitizer Tropical Escape



1. Product and company identification

Product name : Lysol Laundry Sanitizer Tropical Escape

Distributed by : Reckitt Benckiser
30 Arrowhead Industrial Blvd.
St. Peters, Missouri 63376
USA
T +1 636 397 5211

Emergency telephone number (Medical) : 1-800-338-6167

Emergency telephone number (Transport) : 1-800-424-9300 (U.S. & Canada) CHEMTREC
Outside U.S. and Canada (North America), call Chemtrec:703-527-3887

Website: : <http://www.rbnainfo.com>

Product use : Fabric Care, Consumer use

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of USDOL Occupational Safety and Health Administration.

This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations, and shown in Section 15 of this SDS.

SDS # : D8399133

Formulation # : 3223717

EPA ID No. : 777-128

Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Not available.

2. Hazards identification

Classification of the substance or mixture : ACUTE TOXICITY (inhalation) - Category 4
SKIN IRRITATION - Category 2
SERIOUS EYE DAMAGE - Category 1
SKIN SENSITIZATION - Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

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2. Hazards identification

Hazard statements	: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Harmful if inhaled.
Precautionary statements	
General	: If medical advice is needed, have product container or label at hand. Keep out of reach of children.
Prevention	: Wash hands thoroughly after handling.
Response	: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
Storage	: Not applicable.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: None known.
Hazards not otherwise classified	: None known.

3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	%	CAS number
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	1 - 5	68424-95-3
Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride	0.1 - 1	68424-85-1
Alcohols, C12-16, ethoxylated (9EO)	0.1 - 1	68551-12-2
DI-Citronellol	< 0.1	106-22-9
Linalool	< 0.1	78-70-6
alpha-Hexylcinnamaldehyde	< 0.1	101-86-0
d-Limonene	< 0.1	5989-27-5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

4. First aid measures

Description of necessary first aid measures

Eye contact	: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
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4. First aid measures

- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : Harmful if inhaled.
- Skin contact** : Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
- Ingestion** : Adverse symptoms may include the following:
stomach pains

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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4. First aid measures

See toxicological information (Section 11)

5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.
- Specific hazards arising from the chemical** : No specific fire or explosion hazard.
- Hazardous thermal decomposition products** : No specific data.
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

8. Exposure controls/personal protection

Control

Occupational exposure limits

Ingredient name	Exposure limits
d-Limonene	OARS WEEL (United States, 1/2021). TWA: 30 ppm 8 hours.

- Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Skin protection

- Hand protection** : Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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8. Exposure controls/personal protection

- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

- Physical state** : Liquid.
- Color** : Clear. Blue.
- Odor** : Characteristic.
- Odor threshold** : Not available.
- pH** : 9.4 to 10.4
- Melting point/freezing point** : Not available.
- Boiling point, initial boiling point, and boiling range** : Not available.
- Flash point** : Not available.
- Evaporation rate** : Not available.
- Flammability** : Not available.
- Lower and upper explosion limit/flammability limit** : Not available.
- Vapor pressure** : Not available.
- Relative vapor density** : Not available.
- Relative density** : 0.997 to 1.007
- Solubility(ies)** :

Media	Result
cold water	Soluble
hot water	Soluble

- Solubility in water** : Not available.
- Partition coefficient: n-octanol/water** : Not applicable.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Not available.
- Particle characteristics**
- Median particle size** : Not applicable.

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10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : No specific data.
- Incompatible materials** : No specific data.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Lysol Laundry Sanitizer Tropical Escape_NA	LC50 Inhalation Dusts and mists	Rat - Female	2.41 to 4.99 mg/l	4 hours
Quaternary ammonium compounds, di- C8-10-alkyldimethyl, chlorides	LD50 Dermal	Rat	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride	LD50 Dermal	Rat - Male, Female	3342 mg/kg	-
	LD50 Oral	Rat - Male, Female	238 mg/kg	-
DI-Citronellol	LD50 Dermal	Rabbit	2848 mg/kg	-
	LD50 Oral	Rabbit	3413 mg/kg	-
	LD50 Oral	Rat	344 mg/kg	-
Linalool	LD50 Oral	Rat	398 mg/kg	-
	LD50 Dermal	Rabbit	2650 mg/kg	-
alpha-Hexylcinnamaldehyde d-Limonene	LD50 Dermal	Rat	3450 mg/kg	-
	LD50 Oral	Rabbit	5610 mg/kg	-
	LD50 Dermal	Rat	5610 mg/kg	-
alpha-Hexylcinnamaldehyde d-Limonene	LD50 Oral	Rat	2790 mg/kg	-
	LD50 Dermal	Rat	3100 mg/kg	-
	LD50 Oral	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	4400 mg/kg	-

Conclusion/Summary : Harmful if inhaled. Information is based on toxicity test result of a similar product.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Lysol Laundry Sanitizer Tropical Escape_NA	Eyes - Cornea opacity	Mammal - species unspecified	85.05	-	-
Quaternary ammonium compounds, di- C8-10-alkyldimethyl, chlorides	Skin - Primary dermal irritation index (PDII)	Rabbit	4.9	-	-
	Eyes - Cornea opacity	Rabbit	94	-	-
Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride	Skin - Erythema/Eschar	Rabbit	4	3 minutes	72 hours
	Skin - Severe irritant	Rabbit	-	25 mg	-

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11. Toxicological information

Alcohols, C12-16, ethoxylated (9EO) DI-Citronellol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 uL	-
	Eyes - Moderate irritant	Rabbit	-	0.42 %	-
	Skin - Moderate irritant	Man	-	48 hours 16 mg	-
	Skin - Moderate irritant	Rabbit	-	4 hours 0.42 %	-
	Skin - Severe irritant	Guinea pig	-	24 hours 100 mg	-
Linalool	Skin - Severe irritant	Rabbit	-	4 hours 0.5 MI	-
	Skin - Severe irritant	Rabbit	-	24 hours 100 mg	-
	Eyes - Moderate irritant	Rabbit	-	1 hours 0.1 MI	-
	Eyes - Moderate irritant	Rabbit	-	100 uL	-
	Skin - Mild irritant	Human	-	72 hours 32 %	-
	Skin - Mild irritant	Man	-	48 hours 16 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Moderate irritant	Guinea pig	-	24 hours 100 mg	-
	Skin - Severe irritant	Rabbit	-	24 hours 100 mg	-
	alpha-Hexylcinnamaldehyde	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg
Skin - Severe irritant		Guinea pig	-	24 hours 100 mg	-
Skin - Severe irritant		Rabbit	-	24 hours 100 mg	-
d-Limonene	Skin - Mild irritant	Rabbit	-	24 hours 10 %	-

Conclusion/Summary

- Skin** : Based on Calculation Method: Causes skin irritation.
- Eyes** : Causes serious eye damage. Information is based on toxicity test result of a similar product.
- Respiratory** : Based on available data, the classification criteria are not met.

Sensitization

Product/ingredient name	Route of exposure	Species	Result
Lysol Laundry Sanitizer Tropical Escape_NA	skin	Guinea pig	Sensitizing
	skin	Mouse	Sensitizing
Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride	skin	Mouse	Not sensitizing
	skin	Guinea pig	Not sensitizing

Conclusion/Summary

- Skin** : May cause an allergic skin reaction. Information is based on toxicity test result of a similar product.
- Respiratory** : Based on available data, the classification criteria are not met.

Mutagenicity

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11. Toxicological information

Product/ingredient name	Test	Experiment	Result
Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride	OECD 471 - Bacterial Reverse Mutation Test	Experiment: In vitro Subject: Bacteria	Negative
	OECD 473 - Mammalian Chromosomal Aberration Test	Experiment: In vitro Subject: Mammalian-Animal	Negative
	OECD 476 - Mammalian Cell Gene Mutation Test	Experiment: In vitro Subject: Mammalian-Animal	Negative

Conclusion/Summary : Based on available data, the classification criteria are not met.

Carcinogenicity

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

Classification

Product/ingredient name	OSHA	IARC	NTP
d-Limonene	-	3	-

Reproductive toxicity

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

Teratogenicity

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Name	Result
d-Limonene	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure : Not available.

Potential acute health effects

- Eye contact** : Causes serious eye damage.
Inhalation : Harmful if inhaled.
Skin contact : Causes skin irritation. May cause an allergic skin reaction.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

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11. Toxicological information

- Eye contact** : Adverse symptoms may include the following:
 pain
 watering
 redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
 pain or irritation
 redness
 blistering may occur
- Ingestion** : Adverse symptoms may include the following:
 stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Lysol Laundry Sanitizer Tropical Escape_NA	N/A	N/A	N/A	N/A	1.5
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	238	3342	N/A	N/A	N/A
Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride	344	2848	N/A	N/A	0.2
Alcohols, C12-16, ethoxylated (9EO)	500	N/A	N/A	N/A	N/A
DI-Citronellol	3450	2650	N/A	N/A	N/A
Linalool	2790	5610	N/A	N/A	N/A
alpha-Hexylcinnamaldehyde	3100	N/A	N/A	N/A	N/A
d-Limonene	4400	N/A	N/A	N/A	N/A

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12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	Acute EC50 0.027 mg/l	Aquatic plants	96 hours
	Acute LC50 0.094 mg/l Fresh water Chronic NOEC 0.014 mg/l Fresh water	Daphnia Algae	48 hours 96 hours
Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride	Acute EC50 0.016 mg/l	Daphnia	48 hours
	Acute LC50 64 ppb Fresh water Chronic EC10 0.009 mg/l	Fish - Oncorhynchus mykiss Algae	96 hours 72 hours
Linalool	Acute EC50 36.7 ppm Fresh water	Daphnia - Daphnia magna	48 hours
d-Limonene	Acute LC50 28.8 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Acute EC50 421 µg/l Fresh water Acute EC50 688 µg/l Fresh water	Daphnia - Daphnia magna Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	48 hours 96 hours

Conclusion/Summary : Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	EU	80.92 % - Readily - 28 days	-	-
Linalool	-	62.4 % - Readily - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	-	-	Readily
Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride	-	-	Readily
Linalool	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
DI-Citronellol	3.41	-	low
Linalool	2.84	-	low
d-Limonene	4.38	-	high

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

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13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

	DOT Classification	TDG Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-
Transport hazard class(es)	-	-	-	-
Packing group	-	-	-	-
Environmental hazards	No.	No.	No.	No.

Additional information

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

15. Regulatory information

U.S. Federal regulations : **United States inventory (TSCA 8b):** All components are active or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

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15. Regulatory information

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304**Composition/information on ingredients**

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : ACUTE TOXICITY (inhalation) - Category 4
 SKIN IRRITATION - Category 2
 SERIOUS EYE DAMAGE - Category 1
 SKIN SENSITIZATION - Category 1

Composition/information on ingredients

Name	%	Classification
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	1 - 5	ACUTE TOXICITY (oral) - Category 3 SKIN CORROSION - Category 1B SERIOUS EYE DAMAGE - Category 1
Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride	0.1 - 1	CORROSIVE TO METALS - Category 1 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 2 SKIN CORROSION - Category 1B SERIOUS EYE DAMAGE - Category 1
Alcohols, C12-16, ethoxylated (9EO)	0.1 - 1	ACUTE TOXICITY (oral) - Category 4 SERIOUS EYE DAMAGE - Category 1
DI-Citronellol	<0.1	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1B
Linalool	<0.1	FLAMMABLE LIQUIDS - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1B
alpha-Hexylcinnamaldehyde	<0.1	EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1B
d-Limonene	<0.1	FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 SKIN SENSITIZATION - Category 1B ASPIRATION HAZARD - Category 1

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : The following components are listed: Ethanol

Pennsylvania : None of the components are listed.

California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

Label elements**EPA**

Signal word: : Danger

Hazard statements :

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15. Regulatory information

Corrosive Causes irreversible eye damage

Special Inert substance. :
Precautionary measures : Keep out of reach of children. Do not get in eyes. Avoid contact with skin. Wear protective eyewear (goggles/safety glasses). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

Skin sensitizer : Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals

Additional information / Recommendations

Additional information :

Recommendations :

Recommendations :

16. Other information

Hazardous Material Information System (U.S.A.)

Health	/	3
Flammability		0
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)



NFPA (30B) aerosol Flammability Not applicable

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16. Other information

Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
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✔ Indicates information that has changed from previously issued version.

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



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