



QUAT-F is a no-rinse sanitizer which can be used in any establishment requiring higher hygiene standards including places where food is handled and/or processed. QUAT-F can be used to sanitize working surfaces, working utensils, production material and other pre-cleaned, inert, non-porous surfaces found in the food industry and food service facilities (restaurants, supermarkets, canteens).

DIRECTIONS FOR USE

Sanitization is always done on pre-cleaned surface. Remove all gross food particles and soil from areas which are to be sanitized with good detergent, pre-rinse, pre-soak or pre-scrape treatment. Rinse with a potable water hose. When used as directed, QUAT-F reduces the population of the following microorganisms:

Microorganisms	Concentration (ppm)	Dilution	Contact time	Maximum water hardness (CaCO ₃)
<i>Campylobacter jejuni</i>	200-400	5-10 mL / 4 L	60 s	650 ppm
<i>Escherichia coli</i>	200-400	5-10 mL / 4 L	60 s	650 ppm
<i>Escherichia coli</i> O157:H7	200-400	5-10 mL / 4 L	60 s	650 ppm
<i>Klebsiella pneumoniae</i>	200-400	5-10 mL / 4 L	60 s	650 ppm
<i>Listeria monocytogenes</i>	200-400	5-10 mL / 4 L	60 s	650 ppm
Methicillin resistant <i>Staphylococcus aureus</i> (MRSA)	200-400	5-10 mL / 4 L	60 s	650 ppm
<i>Salmonella typhi</i>	200-400	5-10 mL / 4 L	60 s	650 ppm
<i>Shigella sonnei</i>	200-400	5-10 mL / 4 L	60 s	650 ppm
<i>Staphylococcus aureus</i>	200-400	5-10 mL / 4 L	60 s	650 ppm
Vancomycin resistant <i>Enterococcus faecalis</i> (VRE)	200-400	5-10 mL / 4 L	60 s	650 ppm
<i>Vibrio cholera</i>	200-400	5-10 mL / 4 L	60 s	650 ppm
<i>Yersinia enterocolitica</i>	200-400	5-10 mL / 4 L	60 s	650 ppm

To sanitize pre-cleaned and potable water-rinsed, non-porous, food contact surfaces: Prepare a quaternary solution that can vary from 200 to 400 ppm of active ingredients (5 mL to 10 mL of QUAT-F per 4 litres of water).

To sanitize immobile items such as tanks, chopping blocks and counter tops, flood the area with a quaternary solution that can vary from 200 to 400 ppm of active ingredients for at least 60 seconds making sure to wet all surfaces completely. Remove, drain the used solution from the surface and air dry. Prepare a fresh solution daily or more frequently as soil is apparent.

To sanitize mobile items such as drinking glasses and eating utensils, immerse in a quaternary solution

that can vary from 200 to 400 ppm of active ingredients for at least 60 seconds making sure to immerse completely. Remove, drain the used solution from the surface and air dry. Prepare a fresh solution daily or more frequently as soil is apparent.

When used for sanitization of previously cleaned food equipment or food contact items, use a quaternary solution that can vary from 200 to 400 ppm of active ingredients. No potable water rinse is required.

When the product is used in food establishments: Avoid food contamination during the application and storage of this product. All surfaces subject to food contact must be thoroughly rinsed with potable water after use of this product.

QUAT-F 3127

No-rinse sanitizer
for food sector

CHEMICAL AND PHYSICAL PROPERTIES

- pH as is (25°C): 7.5 - 8.0
- pH at 0.5% (25°C): 6.0 - 7.2
- Specific gravity (25°C): 0.990 - 0.995
- Viscosity (25°C): less than 25 cP
- Stability: stable at normal warehousing conditions
- Physical properties: transparent blue liquid
- Odour: specific to the components
- Active ingredients:
5% N-Alkyl (5% C₁₂, 80% C₁₄, 30% C₁₆, 5% C₁₈) dimethyl benzyl ammonium chloride
5% N-Alkyl (5% C₁₂, 30% C₁₄) dimethyl ethyl benzyl ammonium chloride

LEGISLATION

Safety data sheet available.
Compliant for use in the food industry

BENEFITS

- Super concentrated.
- Sanitizer effective against many microorganisms (see table).
- QUAT-F is a sanitizer for surfaces in contact with food approved without rinsing when the product is used in proportions ranging from 200 ppm to 400 ppm. This range offers greater food safety when there is a variation of water pressure that feeds the dosing system and varies the dosage.
- Does not harm plastic, metal and stainless steel.
- Without caustic, butyl, petroleum distillates, chlorinated hydrocarbons or composed phenols.
- Without danger to the ozone layer.
- Free of substances classified as carcinogenic, mutagenic and reproductive (CMR).

AVAILABLE PACK SIZES

Visit the kersia.ca website
for the different formats available



SAFETY DATA SHEET

Emission date: 2026-06-26



Section 1. Identification

Product name : QUAT-F

Health Canada : DIN#02559307

Recommended use : Disinfectant no rinse sanitizer deodorizer mildewstat

Restrictions on use : For professional use only.

Supplier/Manufacturer : KERSIA CANADA LTD
390, boul. St-Laurent Est
Loulseville (Quebec), CANADA, J5V 2L7
info.canada@kersia-group.com / www.kersia.ca

Emergency phone (24 hour service) : Carechem 24 : 1-215-207-0061
toll free : 1-800-579-7421
Quebec Poison Control Center (QPCC) : 1-800-463-5050

Section 2. Hazard identification

Product classification : SKIN CORROSION - Category 1
SERIOUS EYE DAMAGE - Category 1
This product is a registered disinfectant and is exempt from WHMIS. For more information, see the product label.



Signal word : Danger

Hazard statements : Causes severe skin burns and eye damage.

Precautionary statements

Prevention : Wear protective gloves, protective clothing, and eye or face protection. Wash hands thoroughly after handling.

Response : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor.
IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse.
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 : Store locked up.

Disposal : Dispose of contents and container in a waste disposal facility, in accordance with all local, regional and national regulations.

Other hazards : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Hazardous ingredients	CAS number	Concentration* %
- N-alkyl(C12-C18)-N,N-dimethyl-N-benzyl chloride	68391-01-5	1 - 5
- N-alkyl(C12-C18)dimethylethylbenzylammonium chloride	68956-79-6	1 - 5
- Ethanol	64-17-5	1 - 5

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

* Any concentration shown as a range is to protect confidentiality.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Get medical attention immediately. 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.

Skin contact : Get medical attention immediately. Flush contaminated skin with plenty of water. Continue to rinse for at least 10 minutes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Chemical burns must be treated promptly by a physician.

- Inhalation** : Get medical attention immediately. Remove person to fresh air and keep comfortable for breathing. Maintain an open airway. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Ingestion** : Get medical attention immediately. Wash out mouth with water. 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.
- Notes to medical doctor** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in section 2 and/or in section 11 of this safety data sheet.

Section 5. Fire-fighting measures

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical

In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials: carbon dioxide carbon monoxide

Advice for firefighters

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 : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or spray. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Methods and materials for containment and cleaning up

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.

Section 7. Handling and storage

Precautions for safe handling

Put on appropriate personal protective equipment. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or spray. Wash hands thoroughly after handling. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Empty containers retain product residue and can be hazardous. Do not reuse container. Manipulate with care, avoid splashes.

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. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits :

Hazardous ingredients	CAS number	Exposure limit values
- Ethanol	64-17-5	CA Quebec Provincial (Canada) TWA: 1000 ppm.

Appropriate engineering controls

Ensure ventilation is adequate if there is a risk of aerosol formation or vapor build-up.

Personal protective equipment

- Eye/face** : Wear eye protection against chemical splashes.
- Hands** : Wear chemical-resistant, impervious gloves.
- Respiratory** : No respiratory protection required under normal handling conditions.
- Other** : Wear appropriate protective clothing to prevent skin contact.

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.

Handling of diluted product: Information contains therein are issued for the concentrated product as sold. At recommended use dilution, risks regarding this product are greatly reduced. Preventive measures can then be tailored to the employer judgment based on experience and/or level of exposure of workers.

Section 9. Physical and chemical properties

pH	: 6,5 to 8,5	Physical state	: Liquid. [Transparent liquid.]
Relative density	: 0,99 to 0,995	Color	: Blue.
Volumic mass	: Not available.	Odor	: Fragrance free.
Boiling point	: 100°C	Viscosity	: Dynamic: <10 mPa·s (<10 cP) Kinematic: Not available.
Melting/freezing point	: <0°C		
Vapor Pressure	: Not available.		
Relative vapor density	: >1 [Air = 1]		
Solubility	: Yes. [Miscible in water.]		
Flash point	: Closed cup: >93,3°C [Product does not sustain combustion.]		
Flammability	: Non-flammable.		
Flammable limits	: Not available.		
Auto-ignition temperature	: Not applicable.		
Decomposition temperature	: Not available.		
Particle characteristics	: Not applicable.		
Partition coefficient n-octanol/water (log Pow)	: Not applicable.		

Section 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.

Section 11. Toxicological information

Likely routes of exposure	: Dermal contact. Eye contact. Ingestion.
Potential acute health effects	
Eye contact	: Causes serious eye damage.
Skin contact	: Causes severe burns.
Inhalation	: The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.
Ingestion	: May cause burns to mouth, throat and stomach.
Potentials symptoms related to the physical, chemical and toxicological characteristics	
Eye contact	: Pain, watering, redness
Skin contact	: Pain or irritation, redness, blistering may occur
Inhalation	: respiratory tract irritation, coughing
Ingestion	: Stomach pains
Potential chronic health effects	
Carcinogenic Effects	: No known significant effects or critical hazards.
Mutagenic Effects	: No known significant effects or critical hazards.
Reproductive effects	: No known significant effects or critical hazards.
Sensitizer	: No known significant effects or critical hazards.

Numerical measures of acute toxicity

Hazardous ingredients

: Ethanol

Species	Result
Mouse - Oral - LD50	3450 mg/kg
Rat - Oral - LD50	7060 mg/kg

Section 12. Ecological information**Ecotoxicity** : This material is harmful to aquatic life with long lasting effects.**Persistence and degradability**

Not available.

Section 13. Disposal considerations**Waste handling and disposal**

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. 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.

Section 14. Transport information

Reg. info.	UN #	Proper shipping name	Classes	PG*	Label	Additional information
TDG Class	UN1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Quaternary Ammonium Chloride, solution)	8	III		Remarks Limited quantity in SL or less

PG* : Packing group

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.

Section 15. Regulatory information

Classification of this product and the SDS have been made in accordance with Hazardous Products Regulations (HPR) in force in Canada. This product is a mixture for which no specific health effects data exist. The risks have therefore been evaluated based on the physicochemical properties of the product and its composition and may be overestimated.

Food contact : Food Industry Compliant.**DSL; Canadian Domestic** : All components are listed or exempted.**Substance List****Section 16. Other information****Date of issue** : 2026-06-26**Version** : 2.2**Notice to reader**

The information provided in this Safety Data Sheet has been compiled from our experience and data presented in various technical publications. The information contained herein is based on the state of our current knowledge of the product concerned. It is the user's responsibility to verify the value of this information for the adoption of required safety measures. We reserve the right to revise Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the company to make sure that the Safety Data Sheet he owns is the last published.

Prepared by : Department of Regulatory Affairs of Kersia Canada.

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