

Safety Data Sheet
Final Quat

SECTION I - IDENTIFICATION

PRODUCT IDENTIFIER: Final Quat
PRODUCT CODE: 3580
RECOMMENDED USE: One-Step Disinfectant
RESTRICTIONS ON USE: None known.
COMPANY NAME: QuestSpecialty Corporation
COMPANY ADDRESS: PO Box 624, Brenham, TX 77834
COMPANY PHONE: 800-231-0454
EMERGENCY PHONE: 800-255-3924

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Skin Irritant: Category 2

Eye Damage: Category 1

HAZARD STATEMENT(S): DANGER: Causes skin irritation and serious eye damage.

This product contains the following percentage of chemicals of unknown toxicity: N/A

PRECAUTIONARY STATEMENTS: Wash hands thoroughly after handling. Wear protective gloves and eye protection. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash it 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.

SYMBOL:



HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Didecyl dimethyl ammonium chloride	7173-51-5	2.31%
n-Alkyl (C ₁₄ 50%, C ₁₂ 40%, C ₁₆ 10%) dimethyl benzyl ammonium chloride	68424-85-1	1.54%

Trade Secret Information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION IV - FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

INGESTION: Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation develops. Never give anything by mouth to an unconscious person.

INHALATION: Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.

SKIN: Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation develops.

ACUTE HEALTH HAZARDS: Causes skin irritation including redness, burning and drying/cracking. Causes serious damage to eyes. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CHRONIC HEALTH HAZARDS: None known.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, alcohol-resistant foam, water spray.

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UNSUITABLE EXTINGUISHING MEDIA: Water jets or streams.

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray to cool containers exposed to fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Heating or fire can release toxic gas.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, hydrogen chloride, hydrocarbons.

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.

SPILL: Soak up with a non-combustible material like vermiculite, sand or earth. Prevent spill from entering sewers, storm drains and natural waterways.

WASTE DISPOSAL: 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 the container. Clean container promptly after emptying. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

RCRA STATUS: Waste should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Open dumping is prohibited. Store in original container in areas inaccessible to children. Wear proper personal protective equipment when using this product. Store in a cool, dry area. Keep containers tightly closed and dry. Do not store near food, drink, or animal food. Wash hands thoroughly after handling.

OTHER PRECAUTIONS: Keep out of the reach of children. Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health.

INCOMPATIBILITY: Strong acids and bases, oxidizing agents. This pesticide is a cationic germicide. Do not mix with soap or anionic materials. Do not use or store near heat or flame.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Didecyl dimethyl ammonium chloride	15 mg/m ³ (total dust)	Not Established
n-Alkyl (C ₁₄ 50%, C ₁₂ 40%, C ₁₆ 10%) dimethyl benzyl ammonium chloride	15 mg/m ³ (total dust)	Not Established

ENGINEERING CONTROLS / VENTILATION: Ambient ventilation adequate.

RESPIRATORY PROTECTION: In case of vapor formation, use a respirator with an approved filter.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses/goggles and chemical resistant gloves.

ADDITIONAL MEASURES: Wash hands thoroughly with soap and water after using. If clothing becomes contaminated, remove and wash immediately.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, colorless liquid.

ODOR: Soapy.

ODOR THRESHOLD: N/D

pH: 6-8

MELTING POINT/FREEZING POINT: N/D

INITIAL BOILING POINT AND BOILING RANGE: N/D

FLASH POINT: N/D

EVAPORATION RATE: Slow.

FLAMMABILITY (solid/gas): Not considered a flammable liquid by OSHA (29CFR 1910.1200).

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UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:

LOWER FLAMMABILITY LIMIT: N/D

UPPER FLAMMABILITY LIMIT: N/D

EXPLOSIVE LIMIT LOWER (%): N/D

EXPLOSIVE LIMIT UPPER (%): N/D

VAPOR PRESSURE (mm Hg): N/D

VAPOR DENSITY (AIR=1): N/D

RELATIVE DENSITY (H₂O=1): 0.99-1.01

SOLUBILITY(IES): 100% water.

PARTITION COEFFICIENT: n-OCTANOL/WATER (K_{ow}): N/D

AUTOIGNITION TEMPERATURE: N/D

DECOMPOSITION TEMPERATURE: N/D

VISCOSITY: N/D

SECTION X – STABILITY AND REACTIVITY

REACTIVITY: No decomposition if stored and applied as directed.

CHEMICAL STABILITY: Stable under recommended storage conditions.

POSSIBLE HAZARDOUS REACTIONS: None known.

CONDITIONS TO AVOID: None known.

INCOMPATIBLE MATERIALS: Strong acids and bases, oxidizing agents. This pesticide is a cationic germicide. Do not mix with soap or anionic materials. Do not use or store near heat or flame.

HAZARDOUS DECOMPOSITION PRODUCTS: No decomposition if used and stored as directed.

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: **Didecyl dimethyl ammonium chloride** (7173-51-5): LD₅₀ (Oral, Rat) 238 mg/kg; LD₅₀ (Dermal, Rabbit) 3342 mg/kg. **n-Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride** (68424-85-1): LD₅₀ (Oral, Rat) 344 mg/kg; LD₅₀ (Dermal, Rabbit) 342 mg/kg.

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin

EYES: Causes severe irritation, burning, redness, tearing, pain.

INGESTION: May cause gastrointestinal irritation, nausea, diarrhea, vomiting.

INHALATION: May cause slight respiratory tract irritation.

SKIN: Causes irritation.

MEDICAL CONDITION AGGRAVATED: None known.

ACUTE HEALTH HAZARDS: Causes skin irritation including redness, burning and drying/cracking. Causes serious damage to eyes. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CHRONIC HEALTH HAZARDS: None known.

CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICITY: This pesticide is toxic to fish. Do not apply in marine and/or estuarine oil fields. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. **Didecyl dimethyl ammonium chloride** (7173-51-5): LC₅₀ (*Pimephales promelas*, 96h) 0.19 mg/L; EC₅₀ (*Daphnia magna*, 48h) 0.062 mg/L; ErC₅₀ (*Pseudokirchneriella subcapitata*, 96h) 0.026 mg/L. **n-Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride** (68424-85-1): LC₅₀ (*Lepomis macrochirus*, 96h) 0.515 mg/L; EC₅₀ (*Daphnia magna*, 48h) 0.016 mg/L; ErC₅₀ (*Pseudokirchneriella subcapitata*, 72h) 0.049 mg/L.

PERSISTENCE AND DEGRADABILITY: Component or components of this product are expected to biodegrade over time.

BIOACCUMULATIVE POTENTIAL: Component or components in this product are not expected to bioaccumulate.

MOBILITY IN SOIL: No additional information available.

OTHER ADVERSE EFFECTS: None known.

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SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: 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 the container. Clean container promptly after emptying. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

RCRA STATUS: Waste should be fully characterized prior to disposal (40 CFR 261).

SECTION XIV - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Cleaning Compound, N.O.S., Non-Regulated.

HAZARD CLASS/DIVISION: N/A

UN/NA NUMBER: N/A

PACKING GROUP: N/A

AIR SHIPMENT

PROPER SHIPPING NAME: Cleaning Compound, N.O.S., Non-Regulated.

HAZARD CLASS/DIVISION: N/A

UN/NA NUMBER: N/A

PACKING GROUP: N/A

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Cleaning Compound, N.O.S., Non-Regulated.

HAZARD CLASS/DIVISION: N/A

UN/NA NUMBER: N/A

PACKING GROUP: N/A

ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None.

SARA 311/312 HAZARD CATEGORIES: Skin corrosion or irritation. Serious eye damage or eye irritation.

SARA 313 REPORTABLE INGREDIENTS: This product does not contain any chemical components with known CAS numbers that exceed the threshold (*de minimis*) reporting levels established by SARA Title III, Section 313.

STATE REGULATIONS: California Proposition 65: This product does not contain chemicals regulated by California Proposition 65.

INTERNATIONAL REGULATIONS: Listed or exempt from listing/notification on the following chemical inventories: Domestic Substances List (DSL, Canada).

VOLATILE ORGANIC COMPOUNDS (VOC): 0%

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

DANGER. Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and rubber gloves. Wash thoroughly with soap and water after handling. Harmful if swallowed. Remove contaminated clothing and wash clothing before reuse.

NFPA HEALTH: 1

NFPA FLAMMABILITY: 0

NFPA REACTIVITY: 1

NFPA OTHER: None

HMIS HEALTH: 1

HMIS FLAMMABILITY: 0

HMIS REACTIVITY: 1

HMIS PROTECTION: B

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SECTION XVI - OTHER INFORMATION

PREPARATION BY: Craig Bernard

DATE PREPARED: 7/12/2013

REVISION DATE: 09/10/2024

N/A = Not Applicable; N/D = Not Determined

DISCLAIMER: To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. 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 hazard which exists. The information contained in this SDS 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 or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.