



Univar
3075 Highland Pkwy STE 200
Downers Grove, IL 60515
425-889-3400

SAFETY DATA SHEET

1. Identification

Product identifier: QUAT DS

Other means of identification

SDS number: 000100002977

Recommended use and restriction on use

Recommended use: Reserved for industrial and professional use.

Restrictions on use: Not known.

Emergency telephone number:For emergency assistance Involving chemicals

call CHEMTREC day or night at: 1-800-424-9300. CHEMTREC INTERNATIONAL Tel# 703-527-3887

2. Hazard(s) identification

Hazard classification

Health hazards

Skin corrosion/irritation Category 1C

Serious eye damage/eye irritation Category 1

Label elements

Hazard symbol



Signal word

Danger

Version: 1.6
Revision date: 10/22/2015



Hazard statement	Causes severe skin burns and eye damage.
Precautionary statement	
Prevention	Do not breathe dust or mists. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response	IF INHALED: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Specific treatment (see this label). Wash contaminated clothing before reuse.
Storage	Store locked up.
Disposal	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification	None.

3. Composition/information on ingredients

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Mixtures

Chemical identity	Common name and synonyms	CAS number	Content in percent (%)*
Water		7732-18-5	>=85 - <=95%
Alkyl Dimethyl Benzyl Ammonium Chloride (C12-18)		68391-01-5	>=0.1 - <=10%
Alkyl Dimethyl Ethylbenzyl Ammonium Chloride		68956-79-6	>=0.1 - <=10%
Ethanol		64-17-5	>=0.1 - <=0.4%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments: The components are not hazardous or are below required disclosure limits.
The components are not hazardous or are below required disclosure limits.

4. First-aid measures

Ingestion: If swallowed, do NOT induce vomiting. Give a glass of water. Never give liquid to an unconscious person. Get medical attention. Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. Do not induce vomiting without advice from poison control center.

Inhalation: Remove from contaminated area. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen.

Skin contact: Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Call a physician or poison control center immediately. Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Destroy or thoroughly clean contaminated shoes.

Eye contact: Flush thoroughly with water. If irritation occurs, get medical assistance. May cause permanent damage if eye is not immediately irrigated. Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Call a physician or poison control center immediately.

Most important symptoms/effects, acute and delayed
Symptoms: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: Symptoms may be delayed.

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5. Fire-fighting measures

General fire hazards: No data available.
Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: No data available.

Specific hazards arising from the chemical: Heat may cause the containers to explode.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: No data available.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Avoid breathing mists or vapors. Warn everybody of potential hazards and evacuate if necessary. Keep unauthorized personnel away.

Methods and material for containment and cleaning up: Spills should be absorbed and collected for disposal by a permitted chemical waste disposal agency.

Environmental precautions: Avoid release to the environment. Call experts if released into the environment. Do not contaminate water sources or sewer.

7. Handling and storage

Precautions for safe handling: Wash at the end of each work shift and before eating, smoking and using the toilet. Do not get in eyes and avoid contact with skin and clothing. Avoid breathing substance.

Conditions for safe storage, including any incompatibilities: Container must be kept tightly closed. Store at moderate temperatures in dry, well ventilated area.

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8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

None of the components have assigned exposure limits.

Appropriate engineering controls

No data available.

Individual protection measures, such as personal protective equipment

General information:

Do not eat, drink or smoke when using the product. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned. Use personal protective equipment as required.

Eye/face protection:

No data available.

Skin protection

Hand protection:

No data available.

Other:

No data available.

Respiratory protection:

In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment.

Hygiene measures:

Do not get in eyes. Wash thoroughly after handling. Observe good industrial hygiene practices.

9. Physical and chemical properties

Physical state:

Liquid

Form:

No data available.

Color:

Colorless to slight red (ruby) brown to greenish yellow (amber)

Odor:

Weak alcohol-like odor

Odor threshold:

No data available.

pH:

6 - 8

Melting point/freezing point:

No data available.

Initial boiling point and boiling range:

100 °C

Flash Point:

No data available.

Evaporation rate:

No data available.

Flammability (solid, gas):

No data available.

Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%):

No data available.

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Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Relative density:	0.97
Solubility(ies)	
Solubility in water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical stability:	No data available.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	No data available.
Incompatible materials:	Oxidizers
Hazardous decomposition products:	No data available.

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion:	No data available.
Inhalation:	No data available.
Skin contact:	No data available.
Eye contact:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral	
Product:	LD 50 (Rat):
Dermal	

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Product:	No data available.
Specified substance(s): Ethanol	LD 50 (Rabbit): 17,100 mg/kg 4 (not assignable)
Inhalation	
Product:	No data available.
Specified substance(s): Ethanol	LC 50 (Rat,): 130.7 mg/l (, No) 2 (reliable with restrictions)
Repeated dose toxicity	
Product:	No data available.
Skin corrosion/irritation	
Product:	Repeated exposure may cause skin dryness or cracking
Serious eye damage/eye irritation	
Product:	No data available.
Respiratory or skin sensitization	
Product:	No data available.
Carcinogenicity	
Product:	No data available.
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:	No carcinogenic components identified
US. National Toxicology Program (NTP) Report on Carcinogens:	No carcinogenic components identified
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):	No carcinogenic components identified
Germ cell mutagenicity	
In vitro	
Product:	No data available.
In vivo	
Product:	No data available.
Reproductive toxicity	
Product:	No data available.
Specific target organ toxicity - single exposure	
Product:	No data available.
Specific target organ toxicity - repeated exposure	
Product:	No data available.
Aspiration hazard	
Product:	No data available.
Other effects:	Unless otherwise indicated, the findings reported here were seen in laboratory animals. The relevance to humans is uncertain.

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12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Ethanol LC 50 (Fathead minnow (*Pimephales promelas*), 1 h): > 18,000 mg/l
Mortality LC 50 (Zebra danio (*Danio rerio*), 2 h): > 100 mg/l
Mortality LC 50 (Zebra danio (*Danio rerio*), 2 h): > 100 mg/l
Mortality LC 50 (Rainbow trout, donaldson trout (*Oncorhynchus mykiss*), 4 d): 42 mg/l
Mortality LC 50 (Zebra danio (*Danio rerio*), 4 h): > 100 mg/l

Aquatic invertebrates

Product: No data available.

Specified substance(s):

Ethanol EC 50 (Water flea (*Daphnia magna*), 2 h): > 100 mg/l
Intoxication EC 50 (Water flea (*Daphnia magna*), 4 h): > 100 mg/l
Intoxication EC 50 (Water flea (*Daphnia magna*), 6 h): > 100 mg/l
Intoxication EC 50 (Water flea (*Daphnia obtusa*), 24 h): 12,300 - 13,400 mg/l
Intoxication LC 50 (Water flea (*Ceriodaphnia dubia*), 48 h): 3,046 - 4,432 mg/l

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Persistence and degradability

Biodegradation

Product: No data available.

BOD/COD ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration factor (BCF)

Product: No data available.

Partition coefficient n-octanol / water (log Kow)

Product: No data available.

Specified substance(s):

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Ethanol	Log Kow: -0.31
Mobility in soil:	No data available.
Known or predicted distribution to environmental compartments	
Water	No data available.
Alkyl Dimethyl Benzyl	No data available.
Ammonium Chloride (C12-18)	
Quaternary ammonium compounds, C12-18-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	No data available.
Ethanol	No data available.

13. Disposal considerations

Disposal instructions:	Dispose of waste and residues in accordance with local authority requirements. Since emptied containers retain product residue, follow label warnings even after container is emptied.
Contaminated packaging:	No data available.

14. Transport information

DOT

UN number:	UN 1903
UN proper shipping name:	Disinfectants, liquid, corrosive n.o.s.
Transport hazard class(es)	
Class:	8
Label(s):	8
Packing group:	III
Marine Pollutant:	Not regulated.
Special precautions for user:	—

15. Regulatory information

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US federal regulationsUS. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

Superfund amendments and reauthorization act of 1986 (SARA)

Hazard categories

Acute (Immediate) Chronic (Delayed) Fire Reactive Pressure Generating

SARA 302 Extremely hazardous substance

None present or none present in regulated quantities.

SARA 304 Emergency release notification

None present or none present in regulated quantities.

SARA 311/312 Hazardous chemical

<u>Chemical identity</u>	<u>Threshold Planning Quantity</u>
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SARA 313 (TRI reporting)

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US state regulations

US. California Proposition 65

No ingredient regulated by CA Prop 65 present.

US. New Jersey Worker and Community Right-to-Know Act

No ingredient regulated by NJ Right-to-Know Law present.

US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

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Inventory Status: Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
EU EINECS List:	On or in compliance with the inventory
EU ELINCS List:	On or in compliance with the inventory
Japan (ENCS) List:	Not in compliance with the inventory.
EU No Longer Polymers List:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Canada NDSL Inventory:	Not in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory
Japan ISHL Listing:	On or in compliance with the inventory
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.
Australia AICS:	Not in compliance with the inventory.
Canada DSL Inventory List:	Not in compliance with the inventory.
EU EINECS List:	On or in compliance with the inventory
EU ELINCS List:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	Not in compliance with the inventory.
Philippines PICCS:	Not in compliance with the inventory.
New Zealand Inventory of Chemicals:	Not in compliance with the inventory.
Japan ISHL Listing:	Not in compliance with the inventory.

16.Other information, including date of preparation or last revision

HMIS Hazard ID

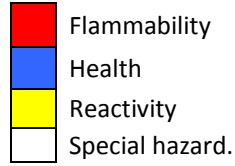
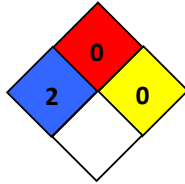
Health	2
Flammability	0
Physical hazards	0
PERSONAL PROTECTION	B

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect

NFPA Hazard ID

Version: 1.6
Revision date: 10/22/2015



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Issue date: 10/22/2015
Revision date: No data available.
Version #: 1.6
Further information: No data available.

Univar USA Inc Safety Data Sheet

For Additional Information contact SDS Coordinator during business hours, Pacific time: (425) 889-3400

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