

QUAT CLEAN IV

Product number: 161027 / 192010



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name QUAT CLEAN IV
Product number 161027 / 192010
Revision date 09-Jan-2006
Company information Brulin & Company, Inc.
P.O. Box 270
Indianapolis, IN 46206 US
www.Brulin.com
Emergency CHEMTREC 1-800-424-9300
General information Phone: 317-923-3211
Fax: 317-925-4596

2. Hazards Identification

Potential short term health effects

Eyes Can cause severe eye irritation.
Skin Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.
Inhalation Inhalation of mist causes irritation of respiratory system.
Ingestion Irritating to mouth, throat, and stomach.

3. Composition / Information on Ingredients

Hazardous component(s)	CAS #	Percent
Didecyldimethylammonium chloride	7173-51-5	< 2.5
Ethyl alcohol	64-17-5	< 2.5
N-Alkyl(C14 50%, C12 40%, C16 10%)-N,N-dimethyl-N-benzylammonium Chloride	68424-85-1	< 10

4. First Aid Measures

First aid procedures

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Skin contact Wash with soap and water. Launder contaminated clothing before reuse.
Inhalation Move to fresh air. If symptoms persist, get medical attention.
Ingestion Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician immediately.

Notes to physician If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

5. Fire Fighting Measures

Flammable properties None known.

Extinguishing media

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6. Accidental Release Measures

Methods for cleaning up Small Spills: Soak up with inert absorbent material.
Large Spills: Wipe up with absorbent material (e.g. cloth, fleece).

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7. Handling and Storage

Storage Keep container closed when not in use.

8. Exposure Controls / Personal Protection

Exposure guidelines

ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)

Ethyl alcohol 64-17-5 1000 Ppm TWA

ACGIH - Threshold Limits Values - TLV Basis - Critical Effects

Ethyl alcohol 64-17-5 irritation

OSHA - Final PELs - Time Weighted Averages (TWAs)

Ethyl alcohol 64-17-5 1000 Ppm TWA; 1900 mg/m3 TWA

Personal protective equipment

Eye / face protection Safety glasses. or Goggles.

Skin protection Wear impervious gloves for prolonged contact.

Respiratory protection Not applicable.

General hygiene considerations Keep away from food, drink and animal feeding stuffs. Wash hands and face before breaks and immediately after handling the product.

9. Physical & Chemical Properties

Appearance	Not available
Clarity	Not available
Color	red
Form	Liquid.
Odor	mild fatty amine
Odor threshold	Not available
Physical state	Liquid
pH	7.6
Melting point	Not available
Freezing point	Not available
Boiling point	212 °F
Flash point	> 212 °F Pensky-Martens Closed Cup
Evaporation rate	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	not determined
Vapor density	not determined
Specific gravity	0.9895
Relative density	Not available
Solubility (H2O)	100 %
Octanol/H2O coeff	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
VOC (Weight %)	1.25 %

10. Chemical Stability & Reactivity Information

Chemical stability	This is a stable material.
Hazardous decomposition products	Ammonia, Nitrogen oxides (NOx).
Possibility of hazardous reactions	Will not occur.

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11. Toxicological Information

Chronic effects Repeated or prolonged exposure may cause irritation of eyes and skin.

12. Ecological Information

Ecotoxicity This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

13. Disposal Considerations

Disposal instructions Dispose in accordance with all applicable regulations.

Contaminated packaging Do not re-use empty containers. Triple rinse containers. Can be offered for recycling, re-conditioning or puncture.

14. Transport Information

Department of Transportation (DOT) Requirements

Not regulated as dangerous goods.

Department of Transportation (DOT) Requirements NON-BULK

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations All components are on the U.S. EPA TSCA Inventory List.

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

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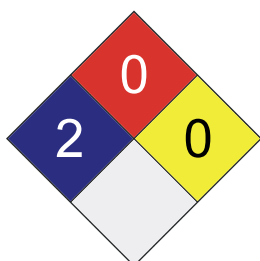
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16. Other Information

HMIS rating

Health	/	2
Flammability		0
Physical Hazard		0
Personal Protection		B

NFPA codes



Prepared date

09-Jan-2006 15:27:24

Superseded date

02-Sep-2005 10:26:58

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.