



Acute Care Pharma™-D Surface Disinfectant

Safety Data Sheet

VELTEK ASSOCIATES, INC.

Date of issue: 12/19/2014

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
 Product name : Acute Care Pharma™-D Surface Disinfectant
 Product code : VEL-118

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

Use of the substance/mixture : Disinfectant/Sanitizer (Ready to Use)

1.3. Details of the supplier of the safety data sheet

Manufacturer:
 Veltek Associates, Inc.
 15 Lee Boulevard
 Malvern, PA, 19355-1234,
 USA

Supplier: Acute Care Pharmaceuticals
 12225 World Trade Drive
 Suite A, San Diego, CA 92128,
 USA

Phone 1-888-9209-7700 (re-order only, see Section 1.4 for Emergency Number)

1.4. Emergency telephone number

Emergency number : CARECHEM 24 call: 1-866-928-0789

SECTION 2: Hazards identification

Emergency Overview

Skin: May be mildly irritating. Very large exposure may be harmful.
 Eyes: May cause irritation.
 Inhalation: Mists and vapors may be mildly irritating to the throat and respiratory tract.
 Ingestion: Harmful if swallowed.
 Chronic: None

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	(CAS No) 68424-85-1	< 0.1
Decyldimethyloctylammonium chloride	(CAS No) 32426-11-2	< 0.1
Dimethyldioctylammonium chloride	(CAS No) 5538-94-3	< 0.1
didecyldimethylammonium chloride	(CAS No) 7173-51-5	< 0.1
Ethanol	(CAS No) 64-17-5	0.02

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
 First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
 First-aid measures after skin contact : Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
 First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.
 First-aid measures after ingestion : Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact : Persons with pre-existing skin disorders may be more susceptible to irritating effects.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

Reactivity : Stable under normal conditions.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses. Move containers from fire area if you can do it without risk.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus when in close proximity to fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Use chemically protective clothing.

Emergency procedures : Ensure adequate ventilation. Avoid inhalation of vapours. Avoid contact with skin and eyes. Remove ignition sources. Keep upwind. Spill area may be slippery.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Use non-sparking tools. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For disposal of residues refer to section 13 : Disposal considerations " .

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing. Provide good ventilation in process area to prevent formation of vapour. Do not breathe vapours. Keep away from sources of ignition - No smoking. Wash if irritation develops.

Hygiene measures : Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Incompatible materials. Keep container closed when not in use. Protect from freezing.

Incompatible products : Strong bases. Strong acids. Strong oxidizing agents.

7.3. Specific end use(s)

Hand sanitizer.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethanol (64-17-5)		
USA ACGIH	Remark (ACGIH)	URT irr
USA OSHA	OSHA PEL (TWA) (mg/m ³)	1900 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	1000 ppm

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8.2. Exposure controls

Appropriate engineering controls	: Ensure adequate ventilation.
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Not required for normal conditions of use.
Eye protection	: Chemical goggles or face shield.
Skin and body protection	: Not required for normal conditions of use.
Respiratory protection	: Not required under normal use.
Thermal hazard protection	: Not required for normal conditions of use.
Environmental exposure controls	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Colour	: Colourless to straw coloured.
Odour	: benzaldehyde.
Odour threshold	: No data available
pH	: 7 - 9
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: None when heated to 102 degrees C (Cleveland Open Cup)
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.9992 (8.34 lbs./gal.)
Solubility	: Miscible with water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: 0.955 mm ² /s (cSt)
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

Extremely high or low temperatures. Avoid friction, sparks, or other means of ignition.

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10.5. Incompatible materials

Oxidizing agents. Reducing agents.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Hydrogen chloride.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Acute Care Pharma™-D Surface Disinfectant	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Ethanol (64-17-5)	
LD50 oral rat	7060 mg/kg

didecyldimethylammonium chloride (7173-51-5)	
ATE (oral)	500.000 mg/kg bodyweight

Skin corrosion/irritation : Not classified
pH: 7 - 9

Serious eye damage/irritation : Not classified
pH: 7 - 9

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

Ethanol (64-17-5)	
IARC group	1 - Carcinogenic to humans

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/injuries after skin contact : Persons with pre-existing skin disorders may be more susceptible to irritating effects.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life.

Ecology - water : Avoid release to the environment.

Ethanol (64-17-5)	
LC50 fish	11000 mg/l
EC50 Daphnia	9950 mg/l

12.2. Persistence and degradability

Acute Care Pharma™-D Surface Disinfectant	
Persistence and degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

Acute Care Pharma™-D Surface Disinfectant	
Bioaccumulative potential	Not established.

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Ethanol (64-17-5)

Bioconcentration factor (BCF REACH)	3
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container at hazardous or special waste collection point.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Additional information : Handle empty containers with care.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT
No dangerous good in sense of transport regulations

Additional information

Other information : No supplementary information available.

Transport by sea

Proper Shipping Name (IMDG) : Not classified

Air transport

Proper Shipping Name (IATA) : Not classified

SECTION 15: Regulatory information

15.1. US Federal regulations

This chemical is a pesticide product registered by the United States Environmental Protection Agency (10324-85-68959) and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for Material Safety Data Sheets (MSDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below in Section 16. The pesticide label also includes other important information, including directions for use.

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Not listed on the United States TSCA (Toxic Substances Control Act) inventory

SARA Section 302 Threshold Planning Quantity (TPQ)	Not applicable
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SARA Section 311/312 Hazard Classes	Not regulated
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Clean Air Act (CAA) Section 112 Hazardous Air Pollutants List	Not regulated
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CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)	Not regulated
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Ethanol (64-17-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

didecyldimethylammonium chloride (7173-51-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Dimethyldioctylammonium chloride (5538-94-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Decyldimethyloctylammonium chloride (32426-11-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

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15.2. International regulations

CANADA

Not controlled

15.2.2. National regulations

Ethanol (64-17-5)

Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

Ethanol (64-17-5)

U.S. - New Jersey - Right to Know Hazardous Substance List

The following ingredients appear on various state right to know lists and/or California's Proposition 65 List Chemical Name	State List
Ethanol < 200 ppm	AZ, CA, CT, FL, ID, MA, MN, NJ, PA, RI
Benzyl Chloride (trace impurity < 10ppm)	AZ, CA, CAP65C, FL, IL, MA, MN, NJ, PA

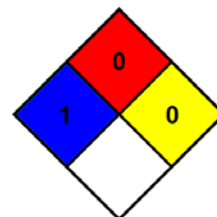
SECTION 16: Other information

Other information : This product is registered by the United States Environmental Protection Agency under number 10324-85-68959. The hazard classification assigned by the US EPA is: CAUTION.

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : A

NCEC SDS US GHS (Hazcom 2012)

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