

SAFETY DATA SHEET

AkinaQuat



SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : AkinaQuat

Other means of identification : Not applicable

Recommended use : Surface disinfectant liquid (EPA Reg. No. 1839-83.

Restrictions on use : Not for internal use or use on humans/pets.

Product dilution information : Product is sold ready to use.

Company : Akina, Inc.
3495 Kent Avenue
West Lafayette, IN 47906

Emergency telephone : 1-765-464-0501

Issuing date : 10/20/2020

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Eye irritation : Category 2B

GHS Label element

Hazard pictograms :



Signal Word : Warning

Hazard Statements : Causes eye irritation

Precautionary Statements : **Prevention:**
Wash skin thoroughly after handling
Response:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Other hazards

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Chemical Name	CAS-No.	Concentration (%)
Alkyl (68% C12, 32% C14) dimethylethylbenzyl ammonium chloride	85409-23-0	0.1 – 0.3%
n-Alkyl (C12-C18) dimethyl benzyl ammonium chloride	68391-01-5	0.1 – 0.3%
Ethanol	64-17-5	0.01 – 0.1%
Water	7732-18-5	95 – 99.9%
Amines, C12-18-alkyldimethyl	68391-04-8	<0.008%

SECTION 4. FIRST AID MEASURES

In case of eye contact : Rinse with water.

In case of skin contact : Rinse with water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : No special precautions are necessary for first aid responders.

Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

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

Unsuitable extinguishing media : None known

Specific hazards during fire fighting : Not flammable or combustible.

Hazardous combustion products : Decomposition products may include the following materials: Carbon oxides, nitrogen oxides (NOx), Hydrogen Chloride gas.

Special protective equipment for fire-fighters : Use personal protective equipment.

Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire or explosion, do not breathe fumes.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Wash hands thoroughly after handling
- Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters: None

- Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

- Eye protection : No special protective equipment required under expected usage.
- Hand protection : No special protective equipment required under expected usage.
- Skin protection : No special protective equipment required under expected usage.
- Respiratory protection : Use in a well-ventilated area, no special equipment required under expected usage.
- Hygiene measures : Wash face, hands and any exposed skin after handling.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Liquid
Color	: clear, colorless
Odor	: Slight
pH	: 5 - 6
Flash point	: No data available
Odor Threshold	: No data available
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: No data available
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Molecular weight	: No data available
VOC	: No data available

SECTION 10. STABILITY AND REACTIVITY

Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: None known.
Hazardous decomposition products	: Decomposition products may include the following materials: Carbon oxides, Nitrogen oxides (NO _x), hydrogen chloride gas

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SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

Eyes : Causes eye irritation.
Skin : Health injuries are not known or expected under normal use.
Ingestion : Health injuries are not known or expected under normal use.
Inhalation : Health injuries are not known or expected under normal use.
Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure

Eye contact : Redness, Irritation
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

Toxicity

Acute oral toxicity : Acute toxicity estimate: 1500 mg/kg
Acute inhalation toxicity : No data available
Acute dermal toxicity : Acute toxicity estimate: 1500 mg/kg
Skin corrosion/irritation : No data available
Serious eye damage/eye irritation : No data available
Respiratory or skin sensitization : No data available
Carcinogenicity : No data available
Reproductive effects : No data available
Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

Ingredients

Acute inhalation toxicity : Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride 4 h LC50 Rat: 0.054 mg/l Test atmosphere: dust/mist Octyl decyl dimethyl ammonium chloride 4 h LC50 Rat: 0.07 mg/l Test atmosphere: dust/mist Dioctyl dimethyl ammonium chloride 4 h LC50 Rat: 0.07 mg/l Test atmosphere: dust/mist Didecyl Dimethyl Ammonium Chloride 4 h LC50 Rat: 0.07 mg/l Test atmosphere: dust/mist

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental Effects : Toxic to aquatic life.

Product

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

Ingredients

Toxicity to fish : Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides 96 h LC50 Fish: 1 mg/l Octyl decyl dimethyl ammonium chloride 96 h LC50 Fish: 1 mg/l Dioctyl dimethyl ammonium chloride 96 h LC50 Oncorhynchus mykiss (rainbow trout): 0.35 mg/l Didecyl Dimethyl Ammonium Chloride 96 h LC50 Fish: 1 mg/l

Toxicity to daphnia and other aquatic invertebrates : Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride 48 h EC50 Daphnia magna (Water flea): 0.016 mg/l Dioctyl dimethyl ammonium chloride 96 h LC50 Americamysis bahia: 0.073 mg/l

Toxicity to algae : Dioctyl dimethyl ammonium chloride 72 h EC50 Pseudokirchneriella subcapitata (algae): 0.122 mg/l

Persistence and degradability

Not applicable - Biocide

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Product as sold (dilute form) can be flushed to sanitary sewer.

Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Not dangerous goods

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SECTION 15. REGULATORY INFORMATION

Product is prepared dilution of EPA Reg. No. 1839-83.

CERCLA Reportable Quantity T

his material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards eye irritation

SARA 302: This material does not contain any components with a section 302 EHS TPQ.

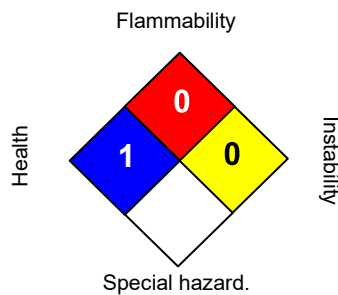
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

SECTION 16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. 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.