# **SAFETY DATA SHEET**



## **BETCO PINE QUAT**

| Section 1. Identific                                       | cation  |  |  |  |  |
|--|---|--|--|--|--|
| GHS product identifier                                     | : BETCO PINE QUAT   |  |  |  |  |
| Product code   | : 304   |  |  |  |  |
| Other means of identification                              | : Not available.  |  |  |  |  |
| Product type   | : Liquid.   |  |  |  |  |
| Relevant identified uses of th                             | ne substance or mixture and uses ad   | vised against                                  |  |  |  |
| Identified uses  |   |  |  |  |  |
| Disinfectant   |   |  |  |  |  |
| Uses advised against                                       |   | Reason   |  |  |  |
| For Industrial and Institutional                           | Use Only  | -  |  |  |  |
| Supplier's details   | : Betco Corporation<br>400 Van Camp Road<br>Bowling Green, Ohio 43402<br>www.betco.com<br>888-462-3826  |  |  |  |  |
| Emergency telephone<br>number (with hours of<br>operation) | : Chemtrec (800) 424-9300 24 h  | our  |  |  |  |
| EPA Details<br>EPA Establishment Number                    | <ul> <li>EPA Statement:<br/>This chemical is a product registered by the United States Environmental Protection<br/>Agency and is subject to certain labeling requirements under federal law. These<br/>requirements differ from the classification criteria and hazard information required for<br/>safety data sheets (SDS), and for workplace labels of non-EPA registered chemicals.<br/>Below is the signal word as required on the label:</li> <li>er : 4170</li> </ul> |  |  |  |  |
| EPA Registration Number<br>EPA Signal Word                 | : 47371-192<br>: Danger   |  |  |  |  |
| Section 2. Hazards   | s identification  |  |  |  |  |
|  |   | we by the OCLIA Liggard Communication Standard |  |  |  |

| OSHA/HCS status          | : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  |
|--------------------------|--|
| Classification of the    | : SKIN IRRITATION - Category 2   |
| substance or mixture     | EYE IRRITATION - Category 2A   |
| GHS label elements       |  |
| Hazard pictograms        |  |
| 0 mark and               |  |
| Signal word              | : Warning  |
| Hazard statements        | : Causes serious eye irritation.<br>Causes skin irritation.  |
| Precautionary statements |  |
| Prevention               | : Wear protective gloves: 1 - 4 hours (breakthrough time): Gloves. Wear eye or face protection: Recommended: splash goggles. Wash hands thoroughly after handling. |
|                          |  |

## Section 2. Hazards identification

| Response                            | : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. 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 attention. |
|-------------------------------------|--|
| Storage                             | : Not applicable.  |
| Disposal                            | : Not applicable.  |
| Hazards not otherwise<br>classified | : None known.  |

## Section 3. Composition/information on ingredients

| Substance/mixture | : | Mixture        |
|-------------------|---|----------------|
| Other means of    | 1 | Not available. |
| identification    |   |                |

| Ingredient name                  | %  | CAS number |  |
|----------------------------------|----|------------|--|
| didecyldimethylammonium chloride | <3 | 7173-51-5  |  |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

Description of necessary first aid measures

| Eye contact | : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. |
|-------------|---|
| Inhalation  | . Remove victim to fresh air and keep at rest in a position comfortable for breathing.  |

| Inhalation   | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If<br>not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial<br>respiration or oxygen by trained personnel. It may be dangerous to the person providing<br>aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects<br>persist or are severe. If unconscious, place in recovery position and get medical<br>attention immediately. Maintain an open airway. Loosen tight clothing such as a collar,<br>tie, belt or waistband. In case of inhalation of decomposition products in a fire,<br>symptoms may be delayed. The exposed person may need to be kept under medical<br>surveillance for 48 hours. |
|--------------|--|
| Skin contact | : Flush contaminated skin with plenty of water. Remove contaminated clothing and   |

shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
 Ingestion : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and

keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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| Most important symptoms/       | <u>effects, acute</u> | and delayed                     |             |                |
|--------------------------------|-----------------------|---------------------------------|-------------|----------------|
| Potential acute health effe    | <u>ects</u>           |                                 |             |                |
| Eye contact                    | : Causes              | serious eye irritation.         |             |                |
| Inhalation                     | : No know             | n significant effects or critic | al hazards. |                |
| Skin contact                   | : Causes              | skin irritation.                |             |                |
| Ingestion                      | : No know             | n significant effects or critic | al hazards. |                |
| Date of issue/Date of revision | : 4/3/2020            | Date of previous issue          | : 2/17/2020 | Version : 1.02 |

## Section 4. First aid measures

## **Over-exposure signs/symptoms**

| Eye contact                | Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness  |
|----------------------------|---|
| Inhalation                 | : No specific data.   |
| Skin contact               | : Adverse symptoms may include the following:<br>irritation<br>redness  |
| Ingestion                  | : No specific data.   |
| Indication of immediate me | dical attention and special treatment needed, if necessary  |
| Notes to physician         | <ul> <li>In case of inhalation of decomposition products in a fire, symptoms may be delayed.<br/>The exposed person may need to be kept under medical surveillance for 48 hours.</li> </ul> |
| Specific treatments        | : No specific treatment.  |
| Protection of first-aiders | : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.                  |

## See toxicological information (Section 11)

## Section 5. Fire-fighting measures

|  | -   |
|--|---|
| Extinguishing media                            |   |
| Suitable extinguishing media                   | : Use an extinguishing agent suitable for the surrounding fire.   |
| Unsuitable extinguishing media                 | : None known.   |
| Specific hazards arising from the chemical     | : In a fire or if heated, a pressure increase will occur and the container may burst.   |
| Hazardous thermal decomposition products       | : Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>halogenated compounds  |
| Special protective actions for fire-fighters   | <ul> <li>Promptly isolate the scene by removing all persons from the vicinity of the incident if<br/>there is a fire. No action shall be taken involving any personal risk or without suitable<br/>training.</li> </ul> |
| Special protective equipment for fire-fighters | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.   |

## Section 6. Accidental release measures

| Personal precautions, protect  | <u>ctive</u> | equipmen                                 | it and emergency  | <u>procedure</u>                       | <u>es</u>   |  |                            |      |
|--------------------------------|--------------|--|---|--|---|--|----------------------------|------|
| For non-emergency<br>personnel |              | Evacuate s<br>entering. D<br>Provide ade | hall be taken invol<br>urrounding areas.<br>Do not touch or wa<br>equate ventilation.<br>. Put on appropria | Keep unne<br>lk through s<br>Wear appi | ecessary and un<br>pilled material.<br>ropriate respirate | protected perso<br>Avoid breathing<br>or when ventilat | onnel from<br>g vapor or m | ist. |
| For emergency responders       |              | Section 8 o                              | ed clothing is requing is requing a suitable and uns personnel".  |  |   |  |                            |      |
| Environmental precautions      |              | and sewers                               | ersal of spilled mat<br>a. Inform the relev<br>ewers, waterways,  | ant authorit                           | ies if the produc   | ,  |                            |      |
| Date of issue/Date of revision | : 4/3        | /2020                                    | Date of previous is   | sue :                                  | 2/17/2020   | Version  | : 1.02                     | 3/11 |

## Section 6. Accidental release measures

## Methods and materials for containment and cleaning up

| Small spill | : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.   |
|-------------|---|
| Large spill | : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |

# Section 7. Handling and storage

| Precautions for safe handling                                      | L |  |
|--|---|--|
| Protective measures  | : | Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.  |
| Advice on general<br>occupational hygiene                          | : | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.  |
| Conditions for safe storage,<br>including any<br>incompatibilities | : | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |

## Section 8. Exposure controls/personal protection

## **Control parameters**

## Occupational exposure limits

| Ingredient name                  | Exposure limits |
|----------------------------------|-----------------|
| didecyldimethylammonium chloride | None.           |

| Appropriate engineering controls                                    | :  | Good general ventilation should be sufficient to control worker exposure to airborne contaminants.  |
|---|----|---|
| Environmental exposure<br>controls<br>Individual protection measure |    | Emissions from ventilation or work process equipment should be checked to ensure<br>they comply with the requirements of environmental protection legislation. In some<br>cases, fume scrubbers, filters or engineering modifications to the process equipment<br>will be necessary to reduce emissions to acceptable levels.   |
| individual protection measure                                       | ;5 |   |
| Hygiene measures  | •  | Wash hands, forearms and face thoroughly after handling chemical products, before<br>eating, smoking and using the lavatory and at the end of the working period.<br>Appropriate techniques should be used to remove potentially contaminated clothing.<br>Wash contaminated clothing before reusing. Ensure that eyewash stations and safety<br>showers are close to the workstation location. |

# Section 8. Exposure controls/personal protection

| Eye/face protection                           | : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. Recommended: splash goggles   |
|---|--|
| Skin protection                               |  |
| Hand protection                               | : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. 1 - 4 hours (breakthrough time): Gloves |
| Body protection                               | <ul> <li>Personal protective equipment for the body should be selected based on the task being<br/>performed and the risks involved and should be approved by a specialist before<br/>handling this product.</li> </ul>  |
| Other skin protection                         | <ul> <li>Appropriate footwear and any additional skin protection measures should be selected<br/>based on the task being performed and the risks involved and should be approved by a<br/>specialist before handling this product.</li> </ul>  |
| Respiratory protection                        | : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.   |
| Personal protective<br>equipment (Pictograms) |  |

# Section 9. Physical and chemical properties

| Appearance                                 |  |
|--|--|
| Physical state                             | : Liquid.  |
| Color                                      | : Clear. Green.  |
| Odor                                       | : Pine.  |
| Odor threshold                             | : Not available.   |
| рН   | : 7.2 to 8.2   |
| Melting point                              | : Not available.   |
| Boiling point                              | : Not available.   |
| Flash point                                | : Closed cup: Not applicable. [Product does not sustain combustion.]   |
| Evaporation rate                           | : Not available.   |
| Flammability (solid, gas)                  | : Not available.   |
| Lower and upper explosive                  | : Not available.   |
| (flammable) limits                         |  |
| Vapor pressure                             | : Not available.   |
| Vapor density                              | : Not available.   |
| Relative density                           | : 1  |
| Solubility                                 | : Easily soluble in the following materials: cold water and hot water. |
| Solubility in water                        | : Not available.   |
| Partition coefficient: n-<br>octanol/water | : Not available.   |
| Auto-ignition temperature                  | : Not available.   |
| Decomposition temperature                  | : Not available.   |
| Viscosity                                  | : Not available.   |
|  |  |

## Section 9. Physical and chemical properties

Flow time (ISO 2431) : Not available.

## Section 10. Stability and reactivity

| Reactivity                         | : No specific test data related to reactivity available for this product or its ingredients.           |
|------------------------------------|--|
| Chemical stability                 | : The product is stable.   |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| Conditions to avoid                | : No specific data.  |
| Incompatible materials             | : Not available.   |
| Hazardous decomposition products   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## Section 11. Toxicological information

## Information on toxicological effects

|             | <br> |      |
|-------------|------|------|
|             | toxi | CITV |
| <b>A</b> CU |      | CILY |
|             |      | _    |

| Product/ingredient name             | Result    | Species | Dose     | Exposure |
|-------------------------------------|-----------|---------|----------|----------|
| didecyldimethylammonium<br>chloride | LD50 Oral | Rat     | 84 mg/kg | -        |

## Irritation/Corrosion

| Product/ingredient name             | Result                 | Species | Score | Exposure          | Observation |
|-------------------------------------|------------------------|---------|-------|-------------------|-------------|
| didecyldimethylammonium<br>chloride | Skin - Severe irritant | Rabbit  | -     | 500<br>milligrams | -           |

## **Sensitization**

Not available.

### **Mutagenicity**

Not available.

### Carcinogenicity

Not available.

### **Reproductive toxicity**

Not available.

### **Teratogenicity**

Not available.

### Specific target organ toxicity (single exposure)

Not available.

## **Specific target o**

Not available.

## **Aspiration hazar**

Not available.

#### Information on the on.

### routes of exposure

### Potential acute health effects

Date of issue/Date of revision

: 4/3/2020

| organ toxic | <u>:ity (repeated exposure)</u>                        |
|-------------|--|
| <u>rd</u>   |  |
| e likely    | : Routes of entry anticipated: Oral, Dermal, Inhalatio |

## Section 11. Toxicological information

| Eye contact   | : Causes serious eye irritation.  |
|---|---|
| Inhalation  | : No known significant effects or critical hazards.   |
| Skin contact  | : Causes skin irritation.   |
| Ingestion   | : No known significant effects or critical hazards.   |
| Symptoms related to the phy   | vsical, chemical and toxicological characteristics  |
| Eye contact   | : Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness  |
| Inhalation  | : No specific data.   |
| Skin contact  | : Adverse symptoms may include the following:<br>irritation<br>redness  |
| Ingestion   | : No specific data.   |
| Delayed and immediate offer   | cts and also chronic effects from short and long term exposure  |
| Short term exposure   |   |
| Potential immediate   | : Not available.  |
| effects   |   |
|   | : Not available.  |
| effects   |   |
| effects<br>Potential delayed effects  |   |
| effects<br>Potential delayed effects<br>Long term exposure<br>Potential immediate   | : Not available.  |
| effects<br>Potential delayed effects<br>Long term exposure<br>Potential immediate<br>effects  | <ul> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> </ul>  |
| effects<br>Potential delayed effects<br>Long term exposure<br>Potential immediate<br>effects<br>Potential delayed effects<br>Potential chronic health effects   | <ul> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> </ul>  |
| effects<br>Potential delayed effects<br>Long term exposure<br>Potential immediate<br>effects<br>Potential delayed effects<br>Potential chronic health eff<br>Not available.                               | <ul> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> </ul>  |
| effects<br>Potential delayed effects<br>Long term exposure<br>Potential immediate<br>effects<br>Potential delayed effects<br>Potential chronic health eff<br>Not available.<br>General                    | <ul> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> <li>ects</li> <li>No known significant effects or critical hazards.</li> </ul>   |
| effects<br>Potential delayed effects<br>Long term exposure<br>Potential immediate<br>effects<br>Potential delayed effects<br>Potential chronic health eff<br>Not available.<br>General<br>Carcinogenicity | <ul> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> <li>ects</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> </ul>  |
| effects Potential delayed effects Long term exposure Potential immediate effects Potential delayed effects Potential chronic health eff Not available. General Carcinogenicity Mutagenicity               | <ul> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> <li>ects</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> </ul> |

## Numerical measures of toxicity

## Acute toxicity estimates

| Rout   |                | ATE value   |
|--------|----------------|-------------|
| Inhala | ation (vapors) | 833.32 mg/l |

## Section 12. Ecological information

**Toxicity** 

## Section 12. Ecological information

| Product/ingredient name             | Result                            | Species  | Exposure |
|-------------------------------------|-----------------------------------|--|----------|
| didecyldimethylammonium<br>chloride | Acute EC50 110 µg/l Fresh water   | Algae - Chlorella pyrenoidosa -<br>Exponential growth phase                        | 72 hours |
|                                     | Acute EC50 14.22 ppb Fresh water  | Algae - Pseudokirchneriella<br>subcapitata   | 96 hours |
|                                     | Acute EC50 18 ppb Fresh water     | Daphnia - Daphnia magna  | 48 hours |
|                                     | Acute LC50 39 µg/l Marine water   | Crustaceans - Americamysis<br>bahia - Juvenile (Fledgling,<br>Hatchling, Weanling) | 48 hours |
|                                     | Acute LC50 0.01 µg/l Fresh water  | Fish - Acipenser transmontanus -<br>Larvae   | 96 hours |
|                                     | Chronic NOEC 25 µg/l Fresh water  | Algae - Pseudokirchneriella<br>subcapitata - Exponential growth<br>phase           | 72 hours |
|                                     | Chronic NOEC 125 µg/l Fresh water | Daphnia - Daphnia magna  | 21 days  |

## Persistence and degradability

Not available.

## **Bioaccumulative potential**

Not available.

## Mobility in soil

| Soil/water partition | : Not available. |
|----------------------|------------------|
| coefficient (Koc)    |                  |

## **Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal<br/>of this product, solutions and any by-products should at all times comply with the<br/>requirements of environmental protection and waste disposal legislation and any<br/>regional local authority requirements. Dispose of surplus and non-recyclable products<br/>via a licensed waste disposal contractor. Waste should not be disposed of untreated to<br/>the sewer unless fully compliant with the requirements of all authorities with jurisdiction.<br/>Waste packaging should be recycled. Incineration or landfill should only be considered<br/>when recycling is not feasible. This material and its container must be disposed of in a<br/>safe way. Care should be taken when handling emptied containers that have not been<br/>cleaned or rinsed out. Empty containers or liners may retain some product residues.<br/>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains<br/>and sewers.

| Section ' | 14. T | ransport | information |  |
|-----------|-------|----------|-------------|--|
|-----------|-------|----------|-------------|--|

|                               | DOT<br>Classification | TDG<br>Classification | Mexico<br>Classification | ADR/RID        | IMDG           | ΙΑΤΑ           |
|-------------------------------|-----------------------|-----------------------|--------------------------|----------------|----------------|----------------|
| UN number                     | Not regulated.        | Not regulated.        | Not regulated.           | Not regulated. | Not regulated. | Not regulated. |
| UN proper<br>shipping name    | -                     | -                     | -                        | -              | -              | -              |
| Transport<br>hazard class(es) | -                     | -                     | -                        | -              | -              | -              |
| Packing group                 | -                     | -                     | -                        | -              | -              | -              |
| Date of issue/Date of r       | revision : 4/3/2      | 020 Date o            | f previous issue         | : 2/17/2020    | Version        | :1.02 8/       |

| BETCO PINE QUAT   |            |  |  |   |   |              |                                      |  |
|---|------------|--|--|---|---|--------------|--------------------------------------|--|
| Section 14.   | Transp     | ort in   | forma  | ation   |   |              |                                      |  |
| Environmental I<br>hazards                                  | No.        | No   |  | No.   |   | No.          | No.                                  | No.  |
| Special precaution  | s for user | uprigh   | nt and sec   |   | hat pers  |              |                                      | d containers that are<br>uct know what to do in th |
| Transport in bulk a<br>to Annex II of MAR<br>the IBC Code   |            | : Not av   | vailable.  |   |   |              |                                      |  |
| Section 15.   | Regula     | tory i   | nform  | nation  |   |              |                                      |  |
| U.S. Federal regula   |            | C12-1<br>TSCA<br>[(1,1,3<br>TSCA<br>Clear<br>phtha | 6-alkyldir<br>8(a) PAI<br>3,3-tetram<br>8(a) CDI<br>Water A<br>locyanine | nethyl, chlorid<br>R: Poly(oxy-1,<br>ethylbutyl)phe<br>R Exempt/Pa<br>ct (CWA) 307<br>disulphonato( | es<br>2-ethar<br>enyl]-ω-<br>rtial ex<br>′: diethy<br>4-)-N29 |              | etermined<br>dium [29F<br>cuprate(2- | I,31H-   |
| Clean Air Act Sec<br>(b) Hazardous Air<br>Pollutants (HAPs) |            | : Not lis  | sted   |   |   |              |                                      |  |
| Clean Air Act Sect<br>Class I Substance                     |            | : Not lis  | sted   |   |   |              |                                      |  |
| Clean Air Act Sect<br>Class II Substance                    |            | : Not lis  | sted   |   |   |              |                                      |  |
| DEA List I Chemic<br>(Precursor Chemi                       |            | : Not lis  | sted   |   |   |              |                                      |  |
| DEA List II Chemi<br>(Essential Chemic                      |            | : Not lis  | sted   |   |   |              |                                      |  |
| SARA 302/304  |            |  | lante  |   |   |              |                                      |  |
| Composition/info  | ormation o | n ingred   | <u>ients</u>   |   |   |              |                                      | SADA 204 DO  |
|   |            |  |  |   |   | SARA 302 TPC | l i                                  | SARA 304 RQ  |

|                   |   |      |      | SARA 302 TPQ SARA 304 RQ |           | RQ    |           |
|-------------------|---|------|------|--------------------------|-----------|-------|-----------|
| Name              |   | %    | EHS  | (lbs)                    | (gallons) | (lbs) | (gallons) |
| hydrogen peroxide |   | ≤0.1 | Yes. | 1000                     | 106.1     | 1000  | 106.1     |
| SARA 304 RQ       | : 50000000 lbs / 22700000 kg [5996705.6 gal / 22700000 L] |      |      |                          |           |       |           |

## **SARA 304 RQ**

SARA 311/312

**Classification** 

: SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A

## **Composition/information on ingredients**

| Name                                | % | Classification  |
|-------------------------------------|---|---|
| didecyldimethylammonium<br>chloride |   | ACUTE TOXICITY (inhalation) - Category 4<br>SKIN CORROSION - Category 1B<br>SERIOUS EYE DAMAGE - Category 1 |

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## **State regulations**

| Massachusetts                  | : None of  | the components are listed. |              |             |       |
|--------------------------------|------------|----------------------------|--------------|-------------|-------|
| New York                       | : None of  | the components are listed. |              |             |       |
| New Jersey                     |            | wing components are listed | ETHYL ALCOHC | )L; ALCOHOL |       |
| Date of issue/Date of revision | : 4/3/2020 | Date of previous issue     | : 2/17/2020  | Version     | :1.02 |

## Section 15. Regulatory information

Pennsylvania

: The following components are listed: DENATURED ALCOHOL; ETHANOL

### California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

### International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

## Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

## **UNECE Aarhus Protocol on POPs and Heavy Metals**

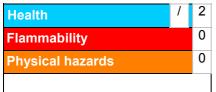
Not listed.

Inventory list

| : | Not determined.  |
|---|--|
| : | Not determined.  |
| : | Not determined.  |
| : | Not determined.  |
| : | Japan inventory (ENCS): Not determined.<br>Japan inventory (ISHL): Not determined. |
| : | Not determined   |
| 1 | Not determined.  |
| : | Not determined.  |
| : | Not determined.  |
| 1 | At least one component is not listed.  |
| 1 | Not determined.  |
|   |  |

## Section 16. Other information

## Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

### National Fire Protection Association (U.S.A.)

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## Section 16. Other information



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### Procedure used to derive the classification

|   | Classification  | Justification   |
|---|---|---|
| SKIN IRRITATION - Catego<br>EYE IRRITATION - Catego | Calculation method<br>Calculation method  |   |
| <u>History</u>                                      |   |   |
| Date of printing                                    | 4/3/2020  |   |
| Date of issue/Date of revision                      | 4/3/2020  |   |
| Date of previous issue                              | 2/17/2020   |   |
| Version   | 1.02  |   |
| Key to abbreviations                                | ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of Classi<br>ATA = International Air Transport Association<br>BC = International Air Transport Association<br>MDG = International Maritime Dangerous Go<br>LogPow = logarithm of the octanol/water partite<br>MARPOL = International Convention for the P<br>as modified by the Protocol of 1978. ("Marpol"<br>JN = United Nations | ods<br>ion coefficient<br>revention of Pollution From Ships, 1973 |
| References  | Not available.  |   |

Indicates information that has changed from previously issued version.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever 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 hazards that exist.