## SECTION 1: Identification

### 1.1. Identification

| | | |
|---|---|---|
| Product form | : | Mixture |
| Product name | : | DECON-QUAT® 100 |
| Product code | : | SDS DQ-98-01 |

### 1.2. Recommended use and restrictions on use

| | | |
|---|---|---|
| Use of the substance/mixture | : | Disinfectant/Sanitizer |
| Restrictions on use | : | For professional use only |

### 1.3. Supplier

Veltek Associates, Inc.
15 Lee Blvd
Malvern, PA 19355-1234 USA
Telephone: +1 610-644-8335 - Fax: +1 610-644-8336
E-mail: vai@sterile.com

In Canada distributed by:
Canada Clean Room (CCR)
20 Cope Dr.
Kanata, ON K2M 2V8, Canada
Telephone: 1-(888)-595-8070

### 1.4. Emergency telephone number

| | | |
|---|---|---|
| Emergency number | : | CARECHEM 24: 1-215-207-0061<br>1-866-928-0789 (toll free USA)<br>Canada: 1-800-579-7421 (toll free)<br>Mexico: +52-55-5004-8763 |

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

#### GHS US classification

| | | |
|---|---|---|
| Flammable liquids Category 2 | H225 | Highly flammable liquid and vapor |
| Skin corrosion/irritation Category 2 | H315 | Causes skin irritation |
| Serious eye damage/eye irritation Category 1 | H318 | Causes serious eye damage |
| Hazardous to the aquatic environment – Chronic Hazard Category 1 | H410 | Very toxic to aquatic life with long lasting effects |

Full text of H statements : see section 16

### 2.2. GHS Label elements, including precautionary statements

#### GHS US labeling

Hazard pictograms (GHS US) :

Signal word (GHS US) : Danger

Hazard statements (GHS US) : H225 - Highly flammable liquid and vapor
H315 - Causes skin irritation

| | | |
|---|---|---|
| Precautionary statements (GHS US) | : | H318 - Causes serious eye damage<br>H410 - Very toxic to aquatic life with long lasting effects<br>P264 - Wash hands thoroughly after handling.<br>P273 - Avoid release to the environment.<br>P280 - Wear eye protection, protective gloves, protective clothing.<br>P302+P352 - IF ON SKIN: Wash with plenty of soap and water.<br>P310 - Immediately call a doctor.<br>P332+P313 - If skin irritation occurs: Get medical advice/attention.<br>P362+P364 - Take off contaminated clothing and wash it before reuse.<br>P391 - Collect spillage.<br>P501 - Dispose of contents/container to an authorized waste collection point. |

### 2.3. Other hazards which do not result in classification

| | | |
|---|---|---|
| Other hazards which do not result in classification | : | This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law (FIFRA). These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is provided in Section 16 of this SDS. |

### 2.4. Unknown acute toxicity (GHS US)

No additional information available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | % | GHS US classification |
|---|---|---|---|
| Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides | CAS-No.: 68391-01-5/53516-76-0 | 4 - 6 | Acute Tox. 4 (Oral), H302<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides | CAS-No.: 85409-23-0/68956-79-6 | 4 - 6 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| ethanol, ethyl alcohol | CAS-No.: 64-17-5 | 1 - < 3 | Flam. Liq. 2, H225<br>Eye Irrit. 2A, H319 |

Full text of hazard classes and H-statements : see section 16

## 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 person 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 : Immediately remove contaminated clothing or footwear. Rinse skin with plenty of water or shower. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse immediately with plenty of water (for at least 15 minutes). Ensure that folded skin of eyelids is thoroughly washed with water. Obtain immediate medical attention.

First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Give 100 - 200 ml of water to drink. If symptoms develop, obtain medical attention.

### 4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms : Causes serious eye damage. Causes skin irritation. May be harmful in contact with skin. Inhalation of vapors may cause respiratory irritation. Ingestion may cause irritation of the gastrointestinal tract. May be harmful if swallowed.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

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

Unsuitable extinguishing media : None known.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Not flammable. Fire may produce irritating, corrosive and/or toxic gases. Hydrogen cyanide. Nitrogen oxides. Carbon monoxide. Carbon dioxide. Hydrogen chloride.

Hazardous decomposition products in case of fire : Nitrogen oxides. Carbon monoxide. Carbon dioxide. Hydrogen chloride.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Do not allow run-off from fire fighting to enter drains or water courses.

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 : Ventilate area. Do not get in eyes, on skin, or on clothing. Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Use chemically protective clothing.

### 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

For containment : Stop leak, if possible without risk. Dam up the liquid spill.

Methods for cleaning up : Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Provide adequate ventilation. Avoid inhalation of vapors. Do not get in eyes, on skin, or on clothing.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Incompatible materials : Strong acids. Strong oxidizing agents. anionic surfactants. Strong alkalis.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| ethanol, ethyl alcohol (64-17-5) | |
|---|---|
| **USA - ACGIH - Occupational Exposure Limits** | |
| Local name | Ethanol |
| ACGIH STEL (ppm) | 1000 ppm |
| Remark (ACGIH) | URT irr |
| Regulatory reference | ACGIH 2024 |
| **USA - OSHA - Occupational Exposure Limits** | |
| Local name | Ethyl alcohol (Ethanol) |
| OSHA PEL (TWA) (mg/m³) | 1900 mg/m³ |
| OSHA PEL TWA | 1000 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Provide adequate ventilation to minimize dust and/or vapor concentrations. Emergency eye wash stations should be available in the immediate vicinity of any potential exposure.

Environmental exposure controls : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

### 8.3. Individual protection measures/Personal protective equipment

**Personal protective equipment:**
Avoid all unnecessary exposure. Wear suitable protective clothing.

| **Hand protection:** |
|---|
| Wear chemically resistant protective gloves. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough. |

| **Eye protection:** |
|---|
| Chemical goggles or face shield |

| **Skin and body protection:** |
| --- |
| Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact |

| **Respiratory protection:** |
| --- |
| In case of inadequate ventilation: Use an approved air purifying respirator to control exposure. Follow respirator protection requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use. |

**Thermal hazard protection:**
Not required for normal conditions of use.

**Other information:**
Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety procedures.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | | |
| --- | --- | --- |
| Physical state | : | Liquid |
| Appearance | : | Colorless to straw-colored liquid. |
| Color | : | Colorless to straw yellow |
| Odor | : | Organic |
| Odor threshold | : | No data available |
| pH | : | 6 – 8 |
| Melting point | : | Not applicable |
| Freezing point | : | No data available |
| Boiling point | : | > 100 °C |
| Flash point | : | Not flammable |
| Relative evaporation rate (butyl acetate=1) | : | No data available |
| Flammability (solid, gas) | : | Not flammable. |
| Vapor pressure | : | No data available |
| Relative vapor density at 20°C | : | No data available |
| Relative density | : | 1 (25 °C)(Water = 1) |
| Density | : | 1 g/cm³ |
| Solubility | : | Water: Miscible |
| Log Pow | : | No data available |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Viscosity, kinematic | : | 2.035 mm²/s (24 °C) |
| Viscosity, dynamic | : | No data available |
| Explosion limits | : | No data available |
| Explosive properties | : | Not explosive. |
| Oxidizing properties | : | Not oxidizing. |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under recommended handling and storage conditions (see section 7).

### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong alkalis. Oxidizing agents. anionic surfactants.

### 10.6. Hazardous decomposition products

Nitrogen oxides. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Hydrogen chloride.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| DECON-QUAT® 100 | |
|---|---|
| LD50 oral, rat | > 2500 mg/kg |
| LD50 dermal, rabbit | > 2000 mg/kg |

| Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides (68391-01-5/53516-76-0) | |
|---|---|
| LD50 oral, rat | 430 mg/kg |
| LD50 dermal, rat | 3560 mg/kg |
| ATE US (oral) | 430 mg/kg body weight |
| ATE US (dermal) | 3560 mg/kg body weight |

| Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides (85409-23-0/68956-79-6) | |
|---|---|
| LD50 oral, rat | 344 mg/kg body weight |
| LD50 dermal, rabbit | 1150 mg/kg (OECD 402 method) |
| ATE US (oral) | 344 mg/kg body weight |
| ATE US (dermal) | 1150 mg/kg body weight |

| ethanol, ethyl alcohol (64-17-5) | |
|---|---|
| LD50 oral, rat | 10470 mg/kg (95% Aqueous solution)(OECD 401 method) |
| LD50 oral | 6200 mg/kg |
| LD50 dermal | 20000 mg/kg |
| LC50 inhalation, rat (mg/l) | 124.7 mg/l - 4 Hours, vapors (OECD 401 method) |
| ATE US (oral) | 10470 mg/kg body weight |
| ATE US (vapors) | 124.7 mg/l/4h |
| ATE US (dust, mist) | 124.7 mg/l/4h |

Skin corrosion/irritation : Causes skin irritation.
pH: 6 – 8

| | | |
|---|---|---|
| Serious eye damage/irritation | : | Causes serious eye damage.<br>pH: 6 – 8 |
| Respiratory or skin sensitization | : | Not classified |
| Germ cell mutagenicity | : | Not classified |
| Carcinogenicity | : | Not classified |
| Reproductive toxicity | : | Not classified |
| STOT-single exposure | : | Not classified |
| STOT-repeated exposure | : | Not classified |
| Aspiration hazard | : | Not classified |
| Viscosity, kinematic | : | 2.035 mm²/s (24 °C) |
| Likely routes of exposure | : | Inhalation. Skin and eye contact. |
| Potential Adverse human health effects and symptoms | : | Causes serious eye damage. Causes skin irritation. May be harmful in contact with skin. Inhalation of vapors may cause respiratory irritation. Ingestion may cause irritation of the gastrointestinal tract. May be harmful if swallowed. |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.

| Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides (68391-01-5/53516-76-0) | |
|---|---|
| LC50 fish | 0.515 mg/l (Lepomis macrochirus) |
| NOEC chronic crustacea | 0.0042 mg/l (Daphnia) |

| Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides (85409-23-0/68956-79-6) | |
|---|---|
| LC50 fish | ≈ 1.06 mg/l - 96 Hours (Oncorhynchus mykiss)(OECD 203 method) |
| EC50 Daphnia | ≈ 0.015 mg/l - 48 Hours (Daphnia magna)(OECD 202 method) |
| EC50 72h - Algae [1] | ≈ 0.026 mg/l - 72 Hours (Pseudokirchneriella subcapitata, Growth rate)(OECD 201 method) |
| EC50 72h - Algae [2] | ≈ 0.019 mg/l - 72 Hours (Pseudokirchneriella subcapitata, Biomass)(OECD 201 method) |
| NOEC chronic fish | 0.0322 mg/l - 28 days (Pimephales promelas)(U.S. EPA FIFRA 72-4(a)) |
| NOEC chronic crustacea | ≥ 0.00415 mg/l - 21 days (Daphnia magna)(U.S. EPA FIFRA 72-4(b)) |

| ethanol, ethyl alcohol (64-17-5) | |
|---|---|
| LC50 fish | 14200 mg/l - 96 Hours (Pimephales promelas) |
| EC50 Daphnia | 5463 mg/l |
| EC50 - Other aquatic organisms [1] | 4432 mg/l - 7 days (Lemna gibba, number of plants) |
| LC50 - Other aquatic organisms [2] | 5012 mg/l - 48 Hours (Ceriodaphnia dubia) |
| ErC50 algae | 275 mg/l - 72 Hours (Chlorella vulgaris), (OECD 201 method) |
| NOEC (acute) | 250 mg/l - 120 Hours (Danio rerio) |
| NOEC (chronic) | 280 mg/l - 7 days (Lemna gibba, number of plants) |
| NOEC chronic fish | 250 mg/l - 120 Hours (Danio rerio), (OECD 212 method) |
| NOEC chronic crustacea | 9.6 mg/l - 10 days (Ceriodaphnia dubia, reproduction) |
| EC10, algae | 11.5 mg/l (72 Hours, Chlorella vulgaris (OECD 201 method)) |

## 12.2. Persistence and degradability

| DECON-QUAT® 100 | |
|---|---|
| Persistence and degradability | Not established. |

| Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides (68391-01-5/53516-76-0) | |
|---|---|
| Persistence and degradability | Not established. |

| Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides (85409-23-0/68956-79-6) | |
|---|---|
| Persistence and degradability | Readily biodegradable. |
| Biodegradation | 95.5 % - 28 days (Activated sludge)(OECD 301B method) |

| ethanol, ethyl alcohol (64-17-5) | |
|---|---|
| Persistence and degradability | Readily biodegradable. |
| Chemical oxygen demand (COD) | 1.99 g O2/g substance |
| Biodegradation | ≈ 74 % (10 days, O2 consumption) |

## 12.3. Bioaccumulative potential

| DECON-QUAT® 100 | |
|---|---|
| Bioaccumulative potential | Not expected to bioaccumulate. |

| Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides (85409-23-0/68956-79-6) | |
|---|---|
| Bioconcentration factor (BCF REACH) | 79 (Lepomis macrochirus)(EPA OPP 165-4) |
| Bioaccumulative potential | Low bioaccumulation potential. |

| ethanol, ethyl alcohol (64-17-5) | |
|---|---|
| Log Pow | -0.35 (24 °C, pH: 7.4), (OECD 107 method) |
| Bioaccumulative potential | Low bioaccumulation potential. |

## 12.4. Mobility in soil

| DECON-QUAT® 100 | |
|---|---|
| Ecology - soil | Miscible with water. |

| Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides (85409-23-0/68956-79-6) | |
|---|---|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 6.21 (U.S. EPA N 163-1) |

| ethanol, ethyl alcohol (64-17-5) | |
|---|---|
| Ecology - soil | Miscible with water. |

## 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal. The correct waste code must be determined by the producer of the waste, based on how the waste has been produced.

Additional information : Handle empty containers with care.

Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

### 14.1. UN number

DOT NA No : UN3082

UN-No. (TDG) : UN3082

UN-No. (IMDG) : 3082

UN-No. (IATA) : 3082

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Environmentally hazardous substances, liquid, n.o.s. (Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides)

Proper Shipping Name (TDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides)

Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides)

Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s. (Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides)

### 14.3. Transport hazard class(es)

**DOT**

Transport hazard class(es) (DOT) : 9

Hazard labels (DOT) : 9


**TDG**

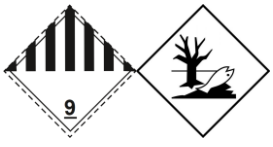
Transport hazard class(es) (TDG) : 9

Hazard labels (TDG) : 9


**IMDG**

Transport hazard class(es) (IMDG) : 9

Hazard labels (IMDG) : 9



**IATA**

Transport hazard class(es) (IATA) : 9

Hazard labels (IATA) : 9


## 14.4. Packing group

Packing group (DOT) : III

Packing group (TDG) : III

Packing group (IMDG) : III

Packing group (IATA) : III

## 14.5. Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes

Other information : IMDG 2.10.2.7: Marine Pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5lt or less for liquids or having a net mass per single or inner packaging of 5kg or less for solids are not subject to any other provisions of this Code relevant to marine pollutants provided the packagings meet the general requirements of 4.1.1.1, 4.1.1.2, and 4.1.1.4 to 4.1.1.8. In the case of marine pollutants also meeting the criteria of inclusion in another hazards class all provisions of the Code relevant to any additional hazards continue to apply.

## 14.6. Special precautions for user

Special transport precautions : The product is not classified for transport based upon the results of a Corrositex test, which found the product to not be corrosive, DOT
§ 171.4(2): Single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass of 5 kg or less for solids, are not subject to any other requirements of this subchapter provided the packagings meet the general requirements in §§ 173.24 and 173.24a.

IMDG
2.10.2.7: Marine Pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5lt or less for liquids or having a net mass per single or inner packaging of 5kg or less for solids are not subject to any other provisions of this Code relevant to marine pollutants provided the packagings meet the general requirements of 4.1.1.1, 4.1.1.2, and 4.1.1.4 to 4.1.1.8. In the case of marine pollutants also meeting the criteria of inclusion in another hazards class all provisions of the Code relevant to any additional hazards continue to apply

IATA
A197: These substances when carried in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of these Regulations provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

**DOT**

UN-No.(DOT) : UN3082

| | | |
|---|---|---|
| DOT Special Provisions (49 CFR 172.102) | : | 8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping description “Other regulated substances, liquid or solid, n.o.s.”, as appropriate. In addition, for solid materials, special provision B54 applies.<br>146 - This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination.<br>173 - An appropriate generic entry may be used for this material.<br>335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as “Environmentally hazardous substances, solid, n.o.s,” UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each transport unit must be leak-proof when used as bulk packaging.<br>IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).<br>T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)<br>TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.<br>TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP. |
| DOT Packaging Exceptions (49 CFR 173.xxx) | : | 155 |
| DOT Packaging Non Bulk (49 CFR 173.xxx) | : | 203 |
| DOT Packaging Bulk (49 CFR 173.xxx) | : | 241 |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : | No limit |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) | : | No limit |
| DOT Vessel Stowage Location | : | A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel. |

**TDG**

| | | |
|---|---|---|
| UN-No. (TDG) | : | UN3082 |

| | | |
|---|---|---|
| TDG Special Provisions | : | 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the danger or dangers posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3).<br>(2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name:<br>(a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S;<br>(b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S;<br>(c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S;<br>(d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or<br>(e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S.<br>(3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment:<br>(a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or<br>(b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS,99 - (1) Mixtures of solids that are not dangerous goods and liquids or solids that are UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, may be offered for transport, handled or transported as UN3077 if there is no visible liquid when the dangerous goods are loaded into a means of containment and during transport.<br>(2) These Regulations, except for Parts 1 and 2, do not apply to the offering for transport, handling or transport of less than 450 kg of UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or less than 450 L of UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, on a road vehicle or a railway vehicle. The dangerous goods must be contained in one or more small means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no release of the dangerous goods that could endanger public safety. |
| Explosive Limit and Limited Quantity Index | : | 5 L |
| Excepted quantities (TDG) | : | E1 |
| Emergency Response Guide (ERG) Number | : | 171 |

**IMDG**
No data available

**IATA**
No data available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

| DECON-QUAT® 100 | |
|---|---|
| SARA Section 311/312 Hazard Classes | Health hazard - Skin corrosion or Irritation<br>Health hazard - Serious eye damage or eye irritation |

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

| | | |
|---|---|---|
| Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides | CAS-No. 85409-23-0/68956-79-6 | 4 - 6% |

## 15.2. International regulations

### CANADA

| ethanol, ethyl alcohol (64-17-5) |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

### EU-Regulations

No additional information available

### National regulations

| ethanol, ethyl alcohol (64-17-5) |
|---|
| Listed on IARC (International Agency for Research on Cancer)<br>Listed on INSQ (Mexican National Inventory of Chemical Substances) |

## 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

| Component | State or local regulations |
|---|---|
| ethanol, ethyl alcohol(64-17-5) | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |

## SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 8/27/2024

Data sources : US OSHA HazCom (GHS) 25 May 2012.

Other information : This chemical is a pesticide product registered by the United States Environmental Protection Agency (10324-63-68959) and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is KEEP OUT OF REACH OF CHILDREN DANGER PELIGRO. The pesticide label also includes other important information, including directions for use. Canada DIN #02368390. In Canada, this product is a drug product registered with Health Canada.

Marine Pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5lt or less for liquids or having a net mass per single or inner packaging of 5kg or less for solids are not subject to any other provisions of this Code relevant to marine pollutants provided the packagings meet the general requirements of 4.1.1.1, 4.1.1.2, and 4.1.1.4 to 4.1.1.8. In the case of marine pollutants also meeting the criteria of inclusion in another hazards class all provisions of the Code relevant to any additional hazards continue to apply.

| Full text of H-phrases | |
|---|---|
| H225 | Highly flammable liquid and vapor |
| H302 | Harmful if swallowed |

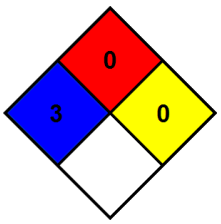
| Full text of H-phrases | |
|---|---|
| H312 | Harmful in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |

| Abbreviations and acronyms | |
|---|---|
| | ACGIH (American Conference of Government Industrial Hygienists) |
| | ATE (Acute Toxicity Estimate) |
| | CAS (Chemical Abstracts Service) number |
| | DNEL (Derived No Effect Level) |
| | EC50 (Effective Concentration 50%) |
| | IARC (International Agency for Research on Cancer) |
| | IATA (International Air Transport Association) |
| | IMDG (International Maritime Dangerous Goods Code) |
| | IMO (International Maritime Organisation) |
| | LC50 (Lethal Concentration 50%) |
| | LD50 (Lethal Dose 50%) |
| | OECD (Organisation for Economic Co-operation and Development) |
| | OSHA (Occupational Safety and Health Administration) (US) |
| | PBT (Persistent, Bioaccumulative and Toxic) |
| | PNEC (Predicted No Effect Concentration) |
| | STEL (Short Term Exposure Limit) |
| | TSCA (Toxic Substances Control Act) (US) |
| | TWA (Time Weighted Average) |
| | UNxxxx (Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods) |
| | vPvB (very Persistent and very Bioaccumulative) |

NFPA health hazard : 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.




Hazard Rating

| | | |
|---|---|---|
| Health | : | 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given |
| Flammability | : | 0 Minimal Hazard - Materials that will not burn |
| Physical | : | 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives. |
| Personal protection | : | C - Safety glasses, Gloves, Synthetic apron |

**Indication of changes:**

| Section | Changed item | Change | Comments |
|---|---|---|---|
| 1 | Supplier | Modified | No additional information available |
| 2 | Hazards identification | Modified | No additional information available |
| 3 | Composition/Information on ingredients | Modified | No additional information available |
| 7.1 | Handling and storage | Modified | No additional information available |
| 11 | Toxicological information | Modified | No additional information available |
| 12. | Ecological information | Modified | No additional information available |
| 14 | Transport information | Modified | No additional information available |



This SDS has been translated into the official language of the country/region in which the product is to be placed on the market. Where no official translation exists, the regulatory text is reported in English, as it appears in the relevant regulatory text.