

# **Safety Data Sheet**

## **VELOSAN**

### **SECTION 1. IDENTIFICATION**

Product Identifier VELOSAN
Other Means of VELOSAN -2,-3

Identification

Other Identification Liquid

Product Family Disinfectant Cleaner

Recommended Use QUAT DISINFECTANT CLEANER FOR HARD SURFACES

DIN #02280825.

**Restrictions on Use** For Industrial Use Only. KEEP AWAY FROM CHILDREN.

Manufacturer / Velocity Chemicals Ltd., Unit #1- 9515 190th Street, Surrey, B.C., V4N3S1, 604-881-4700,

**Supplier** www.velocitychemicals.com

Emergency Phone No. Velocity Chemicals Ltd., 604-881-4700, M-F 7:00am to 2:30pm

CANUTEC, 613-996-6666, 24 hours/7 Days

**SDS No.** 0101

**Date of Preparation** January 29, 2016

### **SECTION 2. HAZARDS IDENTIFICATION**

### **GHS Classification**

Skin corrosion/irritation - Category 2; Serious eye damage/eye irritation - Category 1; Specific target organ toxicity (single exposure) - Category 3

#### **GHS Label Elements**



Danger

May cause irritation or burns to skin & eyes.

May cause respiratory irritation.

#### Prevention:

Use only in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/fume/gas/mist/vapours/spray.

In case of inadequate ventilation, wear a NIOSH approved air-purifying respirator with an organic vapour cartridge and a particulate N95, R95, or P95 filter if mists/vapours/fumes are present.

Wash hands and skin thoroughly after handling.

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#### Response:

IF ON SKIN: Wash with plenty of water for 30 minutes.

If skin irritation occurs: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing for 30 minutes.

If eye irritation persists: Get medical advice/attention.

IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

Get medical advice/attention if you feel unwell.

#### Storage:

Store in a cool, dry place away from incompatibles. Do not mix with any other chemicals. Keep container closed when not in use. Keep from freezing. Keep temperatures > 4 ° C and < 30 ° C.

Disposal:

Dispose of contents/container in accordance with local, regional, national and international regulations.

#### Other Hazards

Repeated exposure may cause skin dryness or cracking.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS **Chemical Name** CAS No. % Other Identifiers 1-Decanaminium, N,N-dimethyl-N-octyl-, chloride 32426-11-2 Not applicable 1-5 Quaternary ammonium compounds, 68424-85-1 1-5 Not applicable benzyl-C12-C16-alkyldimethyl, chlorides 127087-87-0 1-5 Poly(oxy-1,2-ethanediyl)-, Not applicable

#### **Notes**

Concentrations are expressed in % weight/weight.

alpha-(4-nonylphenyl)-omega-hydroxy-, branched

#### **SECTION 4. FIRST-AID MEASURES**

#### **First-aid Measures**

#### Inhalation

Move victim to fresh air. Apply artificial respiration if necessary. Get medical advice/attention if you feel unwell or are concerned.

#### **Skin Contact**

Immediately rinse skin with lukewarm, gently flowing water for at least 30 minutes. If skin irritation occurs get medical advice/attention.

### **Eye Contact**

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice/attention.

#### Ingestion

Give large amounts of water if conscious. Do not induce vomiting. Get medical advice/attention if you feel unwell or are concerned.

### Most Important Symptoms and Effects, Acute and Delayed

At high concentrations

If on skin: may burn the skin. Permanent scarring may result. If in eyes: may cause serious eye damage. May irritate or burn the eyes. Permanent damage including blindness may result. If inhaled: can irritate the nose and throat. Symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest.

#### **Immediate Medical Attention and Special Treatment**

## **Target Organs**

Skin, eyes, respiratory system.

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### **Special Instructions**

Not applicable.

### **Medical Conditions Aggravated by Exposure**

Asthma, dermatitis.

### **SECTION 5. FIRE-FIGHTING MEASURES**

#### **Extinguishing Media**

### Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire. Use water to keep non-leaking, fire-exposed containers cool.

### **Unsuitable Extinguishing Media**

None known.

### Specific Hazards Arising from the Chemical

Not sensitive to static discharge.

In a fire, the following hazardous materials may be generated: very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides; corrosive hydrogen chloride. other toxic vapours.

### **Special Protective Equipment and Precautions for Fire-fighters**

Wear NIOSH/OSHA approved, self contained breathing apparatus for fire fighting situations. Use water spray to cool all nearby fire exposed surfaces.

Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### Personal Precautions, Protective Equipment, and Emergency Procedures

Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Remove or isolate incompatible materials as well as other hazardous materials.

#### **Environmental Precautions**

Concentrated product: it is good practice to prevent releases into the environment.

#### Methods and Materials for Containment and Cleaning Up

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Large spills or leaks: dike spilled product to prevent runoff. Recover material by vacuum or pump into a suitable waste container. Small spills or leaks: stop or reduce leak if safe to do so. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal.

Reuse material if possible, or otherwise dispose in accordance with local regulations.

### Other Information

Contact supplier, local fire and emergency services for help. Report spills to local health, safety and environmental authorities, as required.

### **SECTION 7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

KEEP OUT OF REACH OF CHILDREN. READ LABEL ON CONTAINER BEFORE USING. Use good hygiene practices. It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling. Only use where there is adequate ventilation. Wear personal protective equipment to avoid direct contact with this chemical. Do not get in eyes, on skin or on clothing. Avoid repeated or prolonged skin contact. Avoid generating vapours or mists.

### **Conditions for Safe Storage**

Store in an area that is: cool, ventilated, separate from incompatible materials (see Section 10: Stability and Reactivity). Keep temperatures > 4 ° C and < 30 ° C. Empty containers may contain hazardous residue. Store separately. Keep

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closed. Follow all precautions given on this safety data sheet. Comply with all applicable health and safety regulations, fire and building codes.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **Control Parameters**

Not available.

#### **Appropriate Engineering Controls**

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Provide eyewash and safety shower if contact or splash hazard exists.

### **Individual Protection Measures**

### **Eye/Face Protection**

Wear chemical safety goggles and face shield when contact is possible.

#### **Skin Protection**

Wear chemical protective clothing e.g. gloves, aprons, boots.

Suitable materials are: butyl rubber, natural rubber.

### **Respiratory Protection**

Not normally required if product is used as directed. However, wear a NIOSH approved air-purifying respirator with an organic vapour cartridge and a particulate N95, R95, or P95 filter if mists/vapours/fumes are present.

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Basic Physical and Chemical Properties**

Appearance Clear liquid.

Odour Faint

Odour Threshold Not available

**pH** 12.5 - 13.5 (100% solution)

Melting Point/Freezing Point Not available (melting); Not available (freezing)

Initial Boiling Point/Range Not available
Flash Point Not applicable
Evaporation Rate Not available
Flammability (solid, gas) Not applicable

Upper/Lower Flammability or

Explosive Limit

Not applicable (upper); Not applicable (lower)

Vapour Pressure
Not available
Vapour Density (air = 1)
Relative Density (water = 1)
Not available
1.01 at 20 °C

**Solubility** Soluble in water; Not available (in other liquids)

Partition Coefficient, Not available

n-Octanol/Water (Log Kow)

Auto-ignition Temperature Not applicable

Decomposition Temperature Not available

Viscosity Not available (kinematic); Not available (dynamic)

### **SECTION 10. STABILITY AND REACTIVITY**

Reactivity

None known.

**Chemical Stability** 

Normally stable.

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### **Possibility of Hazardous Reactions**

None expected under normal conditions of storage and use.

#### **Conditions to Avoid**

Freezing.

#### **Incompatible Materials**

Reacts with or incompatible with: strong acids (e.g. hydrochloric acid), strong oxidizing agents (e.g. perchloric acid), oxidizing agents (e.g. peroxides), strong reducing agents (e.g. hydrides). Not corrosive to metals.

### **Hazardous Decomposition Products**

Very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides; corrosive hydrogen chloride.

### **SECTION 11. TOXICOLOGICAL INFORMATION**

Information presented below is for the entire product, unless otherwise specified.

### **Likely Routes of Exposure**

Skin contact; eye contact; inhalation.

#### **Acute Toxicity**

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	Not available	344 mg/kg (rat)	3340 mg/kg (rabbit)
Poly(oxy-1,2-ethanediyl)-, alpha-(4-nonylphenyl)-omega -hydroxy-, branched	1.15 mg/L (rat) (aerosol)	> 500 mg/kg (rat)	> 1000 mg/kg (rabbit)

#### Skin Corrosion/Irritation

Repeated or prolonged exposure can irritate or burn the skin. Symptoms include pain, redness, and swelling.

### Serious Eye Damage/Irritation

May irritate or burn the eyes. Permanent damage including blindness may result.

#### STOT (Specific Target Organ Toxicity) - Single Exposure

### Inhalation

At high concentrations may cause nose and throat irritation. Symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest.

### **Aspiration Hazard**

Not known to be an aspiration hazard.

### STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause dermatitis. Symptoms may include dry, red, cracked skin (dermatitis). May cause irritation to respiratory system.

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### Respiratory and/or Skin Sensitization

Not known to be a respiratory sensitizer. Not known to be a skin sensitizer.

#### Carcinogenicity

Not known to cause cancer.

### **Reproductive Toxicity**

### **Development of Offspring**

Not known to harm the unborn child.

### **Sexual Function and Fertility**

Not known to cause effects on sexual function or fertility.

### **Germ Cell Mutagenicity**

Not known to be a mutagen.

No information was located for: Effects on or via Lactation, Interactive Effects

### **SECTION 12. ECOLOGICAL INFORMATION**

### **Toxicity**

Toxic, with long lasting effects to aquatic life, based on acute toxicity tests.

### **Acute Aquatic Toxicity**

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	0.28 mg/L (Pimephales promelas (fathead minnow); 96-hour)	0.01 mg/L (Daphnia magna (water flea); 48-hour)	l .	0.04 mg/L (Pseudokirchneriella subcapitata (algae); 96-hour)
Poly(oxy-1,2-ethanediyl)-, alpha-(4-nonylphenyl)- omega-hydroxy-, branched	3.8-6.2 mg/L (Pimephales promelas (fathead minnow); 96-hour)	9.3-21.4 mg/L (Daphnia magna (water flea); 48-hour)		

## Persistence and Degradability

No ingredient of this product or its degradation products is known to be highly persistent.

### **Bioaccumulative Potential**

This product and its degradation products are not expected to bioaccumulate.

#### **Mobility in Soil**

Studies are not available.

#### Other Adverse Effects

There is no information available.

#### SECTION 13. DISPOSAL CONSIDERATIONS

#### **Disposal Methods**

Recycle and reuse product, if possible. Recommended disposal methods are for the product, as sold. (Used material may contain other hazardous contaminants). The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user.

### **SECTION 14. TRANSPORT INFORMATION**

Regulation	UN No.	Proper Shipping Name	Name Transport Hazard Class(es)	
Canadian TDG	1903	Disinfectant, Liquid, N.O.S. (Quaternary Ammonium Compound Mixture)	8	III

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US DOT 1903 Disinfectant, Liquid, N.O.S. (Quaternary Ammonium 8 III Compound Mixture)

**Environmental** Marine Pollutant (Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl,

Hazards chlorides)
Special Precautions Not applicable

for User

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### **SECTION 15. REGULATORY INFORMATION**

### Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

**USA** 

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

**Custom Regulatory 1** 

WHMIS EXEMPT. DIN REGISTERED PRODUCT #02280825

### **SECTION 16. OTHER INFORMATION**

SDS Prepared By Technical Department

**Phone No.** 604-881-4700 **Date of Preparation** January 29, 2016

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guidance when exposed to this product. Velocity Chemicals Ltd. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or

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any other product or in any other process.

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