



# Safety Data Sheet according to regulation (EC) 1907/2006 (REACH) and regulation (EC) 2015/830

Trade Name:  
Bacoban™ DLUS Cleaner and Disinfectant  
Revision: 07.05.2020

Issue: 06.12.2020

Version: 4

Print Date: 07.05.2020

## SECTION 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Identification of the substance or mixture: BACOBAN™ DLUS Cleaner and Disinfectant

### 1.2 Relevant identified uses of the substance or mixture and uses advised against relevant identified uses:

Relevant identified uses: Hard Surface Disinfectant

### 1.3 Details of the supplier of the safety data sheet

#### Supplier (manufacturer/importer/downstream user/distributor)

Voran Group Ventures Ltd. Telephone: 1-800-578-5042

409 Ellis St  
Penticton, BC  
V2A 4M1

#### Dept responsible for information:

E-mail (competent person) office@vorangroup.ca

### 1.4 Emergency telephone number:

Transportation 24 Hour Emergency Telephone Number 1-800-578-5042 (08:00am – 4:00pm)

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is not classified as hazardous according to regulation (EC) No. 1272/2008 [CLP]

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### 2.2 Label elements

The product is classified and labelled according to EC directives or corresponding national laws.

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms: - Signal Word: -

Hazard statements: -

Precautionary statements P102 Keep out of reach of children

Contains: n.a.

Supplemental Hazard information (EU): n.a.

2.3 Other hazards: n.a.

## SECTION 3. Composition / information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients:

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

CAS	Chemical name	%w/w
68424-85-1	Benzalkonium chloride	0.3057

100 g solution contains: 0.3057 g Benzalkoniumchloride

Additional information: Full text of classification: see section 16 (H-phrases)

## SECTION 4. First aid measures

### 4.1 Description of first aid measures

#### General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Avoid contact with skin, wash immediately with plenty of water and soap.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

After ingestion



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If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

## SECTION 5. Firefighting measures

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### 5.1 Product is not flammable

### 5.2 Special hazards arising from the substance or mixture: n.a.

### 5.3 Advice for firefighters:

BAs with any fire, wear a respiratory protective device.

#### Additional information:

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

## SECTION 6. Accidental release measures

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### 6.1 Personal precautions, protective equipment and emergency procedures

Always wear appropriate PPE.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

### 6.3 Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculite, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

### 6.4 Reference to other sections

Observe protective provisions (see chapter 7 and 8).

## SECTION 7. Handling and Storage

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### 7.1 Precautions for safe handling

#### Advices on safe handling

Avoid contact with skin, eyes and cloths.

Do not inhale spray mist when using

When using do not eat, drink or smoke. Personal protective equipment: refer to chapter 8. Do not empty containers with pressure – no pressure vessel. Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

**Protections against fire and explosion:** n.a.

### 7.2 Conditions for safe storage, including and incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed

Store carefully closed containers upright to prevent any leaks

#### Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperature between 15°C and 30°C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorized persons. Store carefully closed upright containers to prevent any leaks.

### 7.3 Specific end use(s)

Observe technical data sheet. Observe instructions for use. Read label before use.

## SECTION 8. Exposure controls / personal protection

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### 8.1 Control parameters

**Occupational exposure limit values:** n.a.

**Addition information:** n.a.

### 8.2 Exposure controls

No special requirements under normal use

#### Respiratory protection

No special requirements under normal use

#### Hand protection

For prolonged or repeated handling the following glove material should be used: nitrile rubber or butyl rubber with at least 0.7mm thickness

Thickness of glove material  $\geq 0,7\text{mm}$

Breakthrough time (maximum wearing time)  $>480\text{ min.}$

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374



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## Eye protection

Wear closely fitting protective glasses in case of splashes

## Protective clothing

No special requirements under normal use

## Protective measures

After contact clean skin thoroughly with water

## Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary

## SECTION 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Physical state:** liquid  
**Color:** colorless – yellow, clear  
**Odour:** typical  
**Odour threshold:** n.d.

### Safety relevant basis data

Parameter	Value	Unit	Method	Remark
pH Value	5,8 – 7,8			100 g/l (20°C)
Melting point/range	n.d.	°C	ISO 3841	
Boiling point/range	n.d.	°C	ASTM D-1120	1013 hPa
Flash point	>100	°C	DIN 51755 part 1	
Evaporation rate	n.a.			
Lower exposure limit	n.a.			
Vapour pressure at 20°C	n.d.			
Density at 20°C	0,98 – 1,02	g/cm <sup>3</sup>	20°C	
Solubility	Fully miscible with water	g/L		
Partition coefficient (n-octanol/water)	n.a.			
Thermal decomposition	n.d.			
Viscosity at 20°C	2	mPa*s		
Decomposition temperature	n.d.	°C		
Ignition temperature	Not auto-igniting			

n.a.: non-applicable

n.d.: not determined

### 9.2 Other information

## SECTION 10. Stability and reactivity

**10.1 Reactivity:** n.a.

**10.2 Chemical stability:** Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to Chapter 7.

### 10.3 Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

**10.4 Conditions to avoid:** n.a.

**10.5 Incompatible materials:** n.a.

### 10.6 Hazardous decomposition products

Hazardous decomposition by-products may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

## SECTION 11. Toxicological Information

Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]

No data on preparation itself available.

### 11.1 Information on toxicological effects

#### Acute toxicity

Inhalation n.a.  
Ingestion ATEmix: >10000 mg/kg  
Skin contact n.a.  
Irritation/corrosion (to skin/eye) May cause skin irritation in susceptible persons



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Sensitization	May cause eye irritation in susceptible persons
Carcinogenicity	n.a.
Mutagenicity	n.a.
Teratogenicity	n.a.
Specific target organ toxicity	n.a.
Repeated exposure	
Narcotic effect	none

## Practical experience/human evidence

Other observations:

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nervous system.

Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Splashing may cause eye irritation and irreversible damage.

## Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Remark: There is no information available on the preparation itself.

## SECTION 12. Ecological information

### Overall evaluation

Classification for mixtures and use devaluation method according to regulation (EC) 1207-2008 [CLP]

There is no information available on the preparation itself.

Do not allow to enter surface water or drains

<b>12.1 Toxicity:</b>	Toxicological data is not available
<b>12.2 Persistence and degradability:</b>	Toxicological data is not available
<b>12.3 Bioaccumulative potential:</b>	Toxicological data is not available
<b>12.4 Mobility in soil:</b>	Toxicological data is not available
<b>12.5 Results of PBT and vPvB assessment:</b>	The substances in the mixture do not meet the PBT/vPvB criteria to REACH, annex XIII
<b>12.6 Other adverse effects</b>	

## SECTION 13. Disposal considerations

### 13.1 Waste treatment methods

#### Appropriate disposal / Product

**Recommendation:** Do not allow to enter surface water or drains. This material and its container must be disposed of in a safe way in accordance to Provincial Regulatory Authority

#### Packaging

**Recommendation:** Non-contaminated packages may be recycled. Vessels not properly emptied are special waste

## SECTION 14. Transport information

### Not a dangerous good in sense of this transport regulation

<b>14.1 UN-number:</b>	n.a.
<b>14.2 UN proper shipping name:</b>	n.a.
<b>14.3 Transport hazard class(es):</b>	n.a.
<b>14.4 Packing group:</b>	n.a.
<b>14.5 Environmental hazards:</b>	Land transport (ADR.RID) – n.a. Marine pollutant – no
<b>14.6 Special precautions for user:</b>	Transport always in a closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.
<b>Advices on safe handling:</b>	see part 6-8
<b>Additional information</b>	
<b>Land transport (ADR/RID):</b>	Tunnel restriction code – n.a.
<b>Sea transport (IMDG):</b>	EmS-Nr. – n.a.
<b>14.7 Transport in bulk according to Annex II or MARPOL and the IBC Code:</b>	n.a.

## SECTION 15. Regulatory information

### 15.1 Safety, health and environment regulations/legislation specific for the substance or mixture

DIN# 2502755

Restrictions of occupation: n.a.

### 15.2 Chemical safety assessment

Chemical safety assessments for substances in this preparation were not carried out



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## SECTION 16. Other information

Full text of classification in section 3:

Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed
Acute Tox. 4 / H312	Acute toxicity (dermal)	Harmful in contact with skin
Aquatic Acute 1 / H400	Hazardous to the aquatic environment	
Skin Corr. 1B / H314	Skin corrosion/irritation	Causes eye and skin irritation

### Revised version

Chapter 2.2: Updated information Hazard pictograms and H- and P-phrases

Abbreviations and acronyms:

n.a. not available  
n.d. not determined

### Additional information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and comply with all Federal, State, Provincial and Local Laws and regulations.