



Safety Data Sheet

Trade Name: BACOBAN™ (106) Cleaner and Disinfectant

Revision: 28.02.2023

Issued: 07.03.2023

Version: 6

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

1.1 Product Identifiers

Identification of the substance or mixture: BACOBAN™ (106) Cleaner and Disinfectant (Spray Solution)

DIN: 02504243

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

Relevant identified uses: This product is regulated by Health Canada as a hard surface disinfectant (Food Premises, Domestic, Institutional, Industrial, Hospital/Healthcare Facilities). For use on all types of hard non-porous surfaces.

Restrictions of use: Keep out of reach of children.

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer/Importer/Distributor

Voran Group Ventures Ltd

Telephone: 1-800-578-5042 (Office)

191 Athabasca Ave

Sherwood Park, AB T8A 4C8

Department responsible for information (contact): office@vorangroup.ca

1.4 Emergency telephone numbers:

CANUTEC 24 hour Emergency Number: (613)-996-0212 or 1-888-226-8832 or *666 for cell phone

ChemTel International Emergency Number: 1-800-255-3924

SECTION 2. Hazards identification

Classification of the substance or mixture

Not classified as hazardous under GHS WHIMIS 2015.

Regulated by Health Canada as a Drug Product.

GHS-US/Canadian Classification: Non-hazardous.

2.2 Label elements

Hazard pictograms: None

Signal word: None

Hazard statement: None

Precautionary statements: Read the label before using. Keep out of reach of children.

Storage: Do not contaminate water or food by storage or disposal. Store in dry place between 15°C and 30°C.



SECTION 3. Composition/information on ingredients

3.1 Substance/mixture description

Mixture

Ingredient	CAS #	% w/w	Classification
Benzalkonium chloride (N-Alkyl (C12-16)N,N-dimethyl N-benzylammonium chloride)	68424-85-1	0.33%	Skin Irritation/corrosion Category 5—H313; May be harmful in contact with skin Eye Damage/ Eye Irritation Category 2B – H320: Causes eye irritation

This product is not considered hazardous under the 2012 OSHA Hazard Communication Standard (29 CER 1910.1200) and WHIMIS 2015.

SECTION 4. First Aid measures

General information	Contains quaternary ammonium chlorides. In all cases of doubt, or when symptoms persist, call a poison control center or doctor for treatment advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.
IF IN EYES:	Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
IF ON SKIN OR CLOTHING:	Not normally an issue. Take off contaminated clothing. Rinse skin immediately with plenty of soap and water for 15 - 20 minutes.
IF INHALED:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
IF SWALLOWED:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
NOTE TO PHYSICIAN:	Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION 5. Firefighting measures

Product is not flammable. Product is not an explosive hazard.

- 5.2 Suitable extinguishing media**
Flood with water for extinguishing agent. CO₂, dry chemical, alcohol resistant foam.
- 5.3 Unsuitable extinguishing media:**
None known
- 5.4 Special hazards arising from the substance or mixture:**
None
- 5.5 Advice for firefighters**
Self-contained positive pressure breathing apparatus and protective clothing.
- 5.6 Additional information**
Keep containers and surrounding cool with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapor or mist.
Always wear appropriate PPE. Recommended to utilize eye protection when spraying or transferring material to containers.
For hard surfaces and/or objects that may come in direct contact with children at the mouthing stage of development, a rinse with potable water is recommended.

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 regulation.

6.3 Methods and material for containment and cleaning up

Isolate leaked material using absorption agent (sand, earth, vermiculite diatomaceous earth) and collect it for disposal in appropriate containers in accordance with local regulations (see SECTION 13: Disposal considerations). Clean using cleansing agents. Do not use solvents.

6.4 References to other sections

Observe protective provisions (SECTION 7: Handling and storage and SECTION 8: Exposure controls/personal protection) and disposal provisions (SECTION 13: Disposal considerations).

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling:

Avoid contact with skin, eyes, and clothing.
Do not inhale spray mist when using.
Ensure good ventilation at the workplace.
Avoid splashes or spray in enclosed areas.
Always keep in containers that correspond to the material of the original container.

Protection against fire/explosion:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage room and vessels:

Keep container tightly closed.
Store carefully closed containers upright to prevent any leaks.
Maintain storage temperature of 15°C to 30°C.

Further information on storage conditions:

Take care of instructions on label. Store in a well-ventilated and dry room between 15°C and 30°C. Protect from heat and direct sunlight. Keep container tightly closed.

7.3 Specific end use(s)

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values No ingredients with exposure limits.

8.2 Exposure controls:

No special requirements under normal use.

Respiratory protection No special requirements under normal use.

Hand protection Protective gloves recommended.

Eye protection Wear closely fitting protective glasses in case of splashes or spray.

Protective clothing No special requirements under normal use.

Protective measures After contact with skin wash with plenty of soap and water.

8.3 Environmental exposure controls

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Color:	clear, colorless to slightly yellow
Odor:	mild citrus scent
Odor threshold:	No data available

Safety relevant basis data

Parameter	Value	Unit
pH value	5.8-7.8	
Melting point/range	Not applicable	°C
Boiling point/range	Not determined	°C
Flash point	>100	°C
Evaporation rate	Not applicable	
Lower exposure rate	Not applicable	
Vapor pressure at 20°C	Not determined	
Density at 20°C	0.98-1.02	g/cm ³
Solubility	Fully miscible w. water	
Partition coefficient	Not applicable	
Thermal decomposition	Not determined	
Decomposition temp	Not determined	°C
Ignition temperature	Not auto-igniting	

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

Stable under recommended handling and storage conditions. Refer to SECTION 7: Handling and storage.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid



No specific data.

10.5 Incompatible materials

No specific data.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Conclusion/Summary: Not classified *information is based on toxicity test result of similar product.

Irritation/Corrosion

Conclusion/summary:

Skin: Slightly irritating to the skin *information is based on toxicity test result of similar product.

Eyes: Moderately irritating to the eyes *information is based on toxicity test result of similar product.

Respiratory Based on available data, the classification criteria are not met.

Sensitization

Conclusion/summary:

Skin: Non-sensitizer *information is based on toxicity test result of similar product.

Respiratory: Based on available data, the classification criteria are not met.

Carcinogenicity

Not available

Conclusion/summary: Based on available data, the classification criteria are not met.

Mutagenicity

Conclusion/summary: Based on available data, the classification criteria are not met.

Reproductive Toxicity

Not available

Conclusion/summary: Based on available data, the classification criteria are not met.

Teratogenicity

Not available

Conclusion/summary: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Not available

Conclusion/summary: Based on available data, the classification criteria are not met.

Potential acute health effects

Eye contact No known significant effects or critical hazards.

Inhalation No known significant effects or critical hazards.



Skin contact No known significant effects or critical hazards.
Ingestion No known significant effects or critical hazards.

Potential chronic health effects

Carcinogenicity No known significant effects or critical hazards.
Mutagenicity No known significant effects or critical hazards.
Teratogenicity No known significant effects or critical hazards.
Developmental effects No known significant effects or critical hazards.
Fertility effects No known significant effects or critical hazards.

SECTION 12: Ecological information

Toxicity: Not classified
Persistence and degradability Readily degradable
Bioaccumulative potential Not available
Mobility in soil Not available
Other adverse effects No known significant effects or critical hazards
Results of PBT and vPvB assessment The substances in the mixture do not meet the PBT/vPvB criteria of REACH, annex XIII

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Appropriate disposal 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 with municipal, provincial, and federal regulatory requirements.
Packaging disposal recommendation: Non contaminated packaged may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

	TDG Classification	DOT Classification	IMDG	IATA
UN Number	Not regulated	Not regulated	Not regulated	Not regulated
UN proper shipping name	-	-	-	-
Transport hazard class	-	-	-	-
Packing Group	-	-	-	-
Environmental hazards	No.	No	No	No

Special precautions for user: Transport always in a closed, upright, and safe container.

SECTION 15: Regulatory information

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

Health Canada Drug Identification Number: 02504243



Safety Data Sheet
Bacoban™ (106) Cleaner and Disinfectant
(Benzalkonium chloride 0.33% w/w)

OSHA & WHIMIS: MSDS prepared pursuant to the Canadian WHIMIS regulations (Controlled Products Regulations under the Hazardous Products Act)

15.2 Chemical safety assessment

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

SECTION 16: Other information

Issuing Date: March 7, 2023 (Rev 6)

Disclaimer

The information in the safety data sheet is based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. User is responsible to evaluate all available information when using product for any particular use and comply with all Federal, Provincial and Local laws and regulations. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

___End of Safety Data Sheet___