

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
 Trade name : QB 108 - Bullfrog Peroxifect  
 Product group : Trade product

#### 1.2. Recommended use and restrictions on use

Recommended use : Biocidal products (e.g. Disinfectants, pest control)

#### 1.3. Supplier

##### Manufacturer

AxSys Direct Manufacturing  
 4523 97 Street  
 T6E 5Y8 Edmonton, AB - Canada  
 T 780-436-2606 - F 780-434-5904

#### 1.4. Emergency telephone number

Emergency number : FOR EMERGENCIES INVOLVING DANGEROUS GOODS CALL CANUTEC'S 24HR NUMBER  
 613-996-6666

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-CA)

Acute toxicity (oral), Category 4	H302	Harmful if swallowed.
Hazardous to the aquatic environment — Acute Hazard, Category 2	H401	Toxic to aquatic life

Full text of H statements : see section 16

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

##### GHS-CA labelling

Hazard pictograms (GHS-CA) : 

Signal word (GHS-CA) : Warning

Hazard statements (GHS-CA) : H302 - Harmful if swallowed.  
 H401 - Toxic to aquatic life

Precautionary statements (GHS-CA) : P264 - Wash hands, forearms and face thoroughly after handling.  
 P270 - Do not eat, drink or smoke when using this product.  
 P273 - Avoid release to the environment.  
 P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.  
 P330 - Rinse mouth.  
 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

#### 2.3. Other hazards

No additional information available

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### 2.4. Unknown acute toxicity (GHS-CA)

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
phosphoric acid, conc=75%, aqueous solution	orthophosphoric acid, conc=75%, aqueous solution / phosphoric-acid-	CAS-No.: 7664-38-2		Skin Corr. 1, H314 Eye Dam. 1, H318

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alkyldimethylbenzylammoniumchloride	alkylbenzyl dimethylammoniumchloride / alkyldimethyl(phenylmethyl)quaternaryammoniumchlorides / amonyx / barquat mb80 / bayclean / benirol / benzalkoniumchloride / benzyl dimethylalkylammoniumchloride / bionol / bionolro50 / BTC / BTC50 / BTC 824 / catamin ab / catamine ab / cequaryl / Corrosive solid, n.o.s. / culversan 50-LC / dibactol / dimanin a / drapolene / drapolex / enuclen / germicin / germitol / germitol / hyamine 3500 / intexan LB50 / katamin AB / marinol / marquat mb50 / neo germitol / neogermitol / onyx btc / osvan / paralkan / phemerol / pheneene germicidal, solution and tincture / quaternary ammonium compounds, alkylbenzyl dimethyl / quaternaryammonium compounds, alkylbenzyl dimethylchlorides / quaternium-1 / quaternium-34 / retzaquat 47 / roccal / roccal 90% / roddal / triton k-60 /	CAS-No.: 8001-54-5		Acute Tox. 3 (Oral), H301 Aquatic Acute 1, H400
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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
	variquat 415 / zephiral / zephiran / zephiranchloride / zephirol			
hydrogen peroxide, conc=35%, aqueous solution	albone 35 / albone 35CG / albone 35M / dihydrogen dioxide, conc=35%, aqueous solution / hydrogen dioxide, conc=35%, aqueous solution / hydrogen peroxide (H <sub>2</sub> -O <sub>2</sub> ) / hydroperoxide, conc=35%, aqueous solution / interox, conc=35%, aqueous solution / kastone B, conc=35%, aqueous solution / kastone, conc=35%, aqueous solution / oxygenised water, conc=35%, aqueous solution / perdrogen, conc=35%, aqueous solution / peroxal, conc=35%, aqueous solution / peroxide of hydrogen, conc=35%, aqueous solution / peroxide, conc=35%, aqueous solution / superol, conc=35%, aqueous solution / superoxol, conc=35%, aqueous solution / tysul 35S / tysul WW35	CAS-No.: 7722-84-1		Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314

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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
N,N-dimethyldodecylamine-N-oxide	1-dodecanamine, N,N-dimethyl-, N-oxide / ammonyx AO / ammonyx LO / amonyx AO / AROMOX DMCD / AROMOX DMMC-W / CONCO XAL / DDAO (=dimethyldodecylamine oxide) / DDNO (=dimethyldodecylamine N-oxide) / dimethylaurylamine oxide / dimethyldodecylamine N-oxide / dimethyldodecylamine oxide / dimethylaurylamine oxide / dodecylamine, N,N-dimethyl- / dodecyldimethylamine oxide / EMPIGEN OB / laruyldimethylamine oxide / lauramine oxide / lauryldimethylamine N-oxide / LDAO (=lauryldimethylamine oxide) / N,N-dimethyl-1-dodecanamine oxide / N,N-dimethyldodecylamine oxide / N,N-dimethyl-N-dodecylamine oxide / n-dodecyldimethylamine oxide / N-lauryldimethylamine N-oxide / N-lauryl-N,N-dimethylamine oxide	CAS-No.: 1643-20-5		Acute Tox. 4 (Oral), H302 Aquatic Acute 2, H401

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

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### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Rinse mouth. Call a poison center or a doctor if you feel unwell.
First-aid measures general	: Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Other medical advice or treatment : Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

#### 5.2. Unsuitable extinguishing media

No additional information available

#### 5.3. Specific hazards arising from the hazardous product

Hazardous decomposition products in case of fire : Toxic fumes may be released.

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

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

No additional information available

#### 6.2. Methods and materials for containment and cleaning up

For containment	: Collect spillage.
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.

#### 6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

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

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

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

Physical state : Liquid  
Appearance : No data available  
Colour : Mixture contains one or more component(s) which have the following colour(s):  
Light green White to yellow-white Colourless  
Odour : There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure.  
Mixture contains one or more component(s) which have the following odour:  
Odourless Aromatic odour Almost odourless Characteristic odour  
Odour threshold : No data available  
pH : No data available  
Relative evaporation rate (butylacetate=1) : No data available  
Relative evaporation rate (ether=1) : No data available  
Melting point : Not applicable

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Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: No additional information available
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	: No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

ATE CA (oral)	2000 mg/kg bodyweight
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#### hydrogen peroxide, conc=35%, aqueous solution (7722-84-1)

ATE CA (oral)	500 mg/kg bodyweight
ATE CA (gases)	4500 ppmv/4h
ATE CA (vapours)	11 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h

#### N,N-dimethyldodecylamine-N-oxide (1643-20-5)

LD50 oral rat	1064 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
ATE CA (oral)	1064 mg/kg bodyweight

#### alkyldimethylbenzylammoniumchloride (8001-54-5)

LD50 oral rat	240 mg/kg (Rat)
ATE CA (oral)	240 mg/kg bodyweight

Skin corrosion/irritation	: Not classified
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Serious eye damage/irritation	: Not classified
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

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general	: Toxic to aquatic life.
Acute aquatic toxicity	: Toxic to aquatic life.
Chronic aquatic toxicity	: Not classified

<b>N,N-dimethyldodecylamine-N-oxide (1643-20-5)</b>	
LC50 - Fish [1]	134 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value)
EC50 - Daphnia [1]	3.9 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
Partition coefficient n-octanol/water (Log Pow)	< 2.7 (Calculated)

<b>alkyldimethylbenzylammoniumchloride (8001-54-5)</b>	
LC50 - Fish [1]	0.62 mg/l (LC50; 96 h)

#### 12.2. Persistence and degradability

<b>phosphoric acid, conc=75%, aqueous solution (7664-38-2)</b>	
Persistence and degradability	Biodegradability: not applicable.

<b>hydrogen peroxide, conc=35%, aqueous solution (7722-84-1)</b>	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

<b>N,N-dimethyldodecylamine-N-oxide (1643-20-5)</b>	
Persistence and degradability	Readily biodegradable in water.

<b>alkyldimethylbenzylammoniumchloride (8001-54-5)</b>	
Persistence and degradability	Readily biodegradable in water.

#### 12.3. Bioaccumulative potential

<b>phosphoric acid, conc=75%, aqueous solution (7664-38-2)</b>	
Bioaccumulative potential	No test data of component(s) available.

<b>hydrogen peroxide, conc=35%, aqueous solution (7722-84-1)</b>	
Bioaccumulative potential	Not bioaccumulative.

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### N,N-dimethyldodecylamine-N-oxide (1643-20-5)

Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Partition coefficient n-octanol/water (Log Pow)	< 2.7 (Calculated)

### alkyldimethylbenzylammoniumchloride (8001-54-5)

Bioaccumulative potential	Not bioaccumulative.
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### 12.4. Mobility in soil

#### phosphoric acid, conc=75%, aqueous solution (7664-38-2)

Ecology - soil	Highly mobile in soil.
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#### hydrogen peroxide, conc=35%, aqueous solution (7722-84-1)

Ecology - soil	No (test)data on mobility of the component(s) available.
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#### N,N-dimethyldodecylamine-N-oxide (1643-20-5)

Ecology - soil	Low potential for adsorption in soil.
Partition coefficient n-octanol/water (Log Pow)	< 2.7 (Calculated)

### 12.5. Other adverse effects

Ozone : Not classified

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

Proper Shipping Name (TDG) : Not applicable  
Proper Shipping Name (DOT) : Not applicable  
Proper Shipping Name (IMDG) : Not applicable  
Proper Shipping Name (IATA) : Not applicable

### 14.3. Transport hazard class(es)

**TDG**  
Transport hazard class(es) (TDG) : Not applicable

**DOT**  
Transport hazard class(es) (DOT) : Not applicable

**IMDG**  
Transport hazard class(es) (IMDG) : Not applicable

**IATA**  
Transport hazard class(es) (IATA) : Not applicable

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### 14.4. Packing group

Packing group (TDG) : Not applicable  
Packing group (DOT) : Not applicable  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

#### TDG

No data available

#### DOT

No data available

#### 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. National regulations

No additional information available

### 15.2. International regulations

No additional information available

## SECTION 16: Other information

### Full text of H-statements:

H271	May cause fire or explosion; strong oxidiser.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life

Safety Data Sheet (SDS), Canada

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