

# **BIOQUELL HPV-AQ**

AA00280 - 0923364000 MSDS No.:

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : BIOQUELL HPV-AQ

**BIOQUELL HPV-AQ** 

Other means of identification Not applicable.

Surface Disinfectant Recommended use

Restrictions on use Reserved for industrial and professional use.

Product dilution information Product is sold ready to use.

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### 2. HAZARDS IDENTIFICATION

#### **GHS Classification**

Acute toxicity (Oral) : Category 4 Acute toxicity (Inhalation) : Category 4 Skin corrosion/irritation : Category 2 Serious eye damage/eye : Category 1

irritation

single exposure

Specific target organ toxicity - : Category 3 (Respiratory tract irritation)

### **GHS Label element**

Hazard pictograms





Signal Word : Danger

**Hazard Statements** H302 + H332 Harmful if swallowed or if inhaled.

H315 Causes skin irritation.

H318 Causes serious eye damage. H335 May cause respiratory irritation.

**Precautionary Statements** : Prevention:

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P261 Avoid breathing mist, spray.

P264 Wash the contact area thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

# Response:

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302 + P352 IF ON SKIN: Wash with plenty of water.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/ physician.
P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

P321 Specific treatment: consult MSDS Section 4.

P330 Rinse mouth.

P332 + P313 If skin irritation occurs: Get medical advice/attention. P362 + P364 Take off contaminated clothing and wash it before reuse.

### Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

## Disposal:

P501 Dispose of contents and container according to wastes control act.

Other hazards : None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Chemical Name Common name CAS-No. Concentration:

(%)

Hydrogen peroxide no data available 7722-84-1 30 - 40

All unlisted components do not contribute to the overall hazard of the product and are trade secret, making up 100% of the full composition.

# 4. FIRST AID MEASURES

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at

least 15 minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. Get medical attention immediately.

In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use

a mild soap if available. Get medical attention if irritation develops and

persists.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal

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protective equipment.

: Treat symptomatically. Notes to physician

Most important symptoms and effects, both acute and

delayed

: See Section 11 for more detailed information on health effects and

symptoms.

# 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water

Unsuitable extinguishing

media

: Carbon dioxide (CO2)

Foam

Dry chemical

Specific hazards during

firefighting

: Not flammable or combustible.

Hazardous combustion

products

: Decomposition products may include the following materials:

Oxygen

for firefighters

Special protective equipment : Use personal protective equipment.

Specific extinguishing

methods

: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire

and/or explosion do not breathe fumes.

# 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8. Eliminate any possible source of ignition.

Environmental precautions

: Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with noncombustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

#### 7. HANDLING AND STORAGE

Advice on safe handling

Do not ingest. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not get in eyes, on skin, or on clothing. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

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Conditions for safe storage : Keep in the original container only, in a cool and well-ventilated place,

out of the light and away from combustible materials and reducing agents (amines), acids, bases, heavy metal compounds (accelerators, siccative agents, metallic salts). Do not store on wooden pallets. Keep out of reach of children. Keep container tightly closed. Store in

suitable labeled containers.

Storage temperature : 5 °C to 25 °C

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
Hydrogen peroxide	7722-84-1	TWA	1 ppm	KR OEL

Biological occupational

exposure limits

: no data available

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations

below occupational exposure standards.

Personal protective equipment

Eye protection : Safety goggles

Face-shield

Hand protection : Wear the following personal protective equipment:

Standard glove type.

Nitrile rubber butyl-rubber

Unsupported neoprene

Gloves should be discarded and replaced if there is any indication of

degradation or chemical breakthrough.

Skin protection : No special protective equipment required.

Respiratory protection : When workers are facing concentrations above the exposure limit they

must use appropriate certified respirators.

Multi-purpose combination filter

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes

and body in case of contact or splash hazard.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : clear, colourless

Odour : odourless

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pH : 1.5 - 3.5, (100 %)

Flash point : Not applicable.

Odour Threshold : no data available

Melting point/freezing point : no data available

Initial boiling point and

boiling range

: > 100 °C

Evaporation rate : no data available Flammability (solid, gas) : Not applicable.

Upper explosion limit : no data available

Lower explosion limit : no data available

Vapour pressure : no data available

Relative vapour density : no data available

Relative density : 1.1 - 1.2

Water solubility : soluble

Solubility in other solvents : no data available

Partition coefficient: n-

octanol/water

: log Pow: -1.57Method: Calculated

Auto-ignition temperature : no data available

Thermal decomposition : no data available

Viscosity, kinematic : 0.980 mm2/s (40 °C)

Explosive properties : no data available
Oxidizing properties : no data available
Molecular weight : no data available
VOC : no data available

# 10. STABILITY AND REACTIVITY

Reactivity : Heating may cause an explosion.

Chemical stability : Contamination may result in dangerous pressure increases - closed

containers may rupture.

Possibility of hazardous

reactions

: No dangerous reaction known under conditions of normal use.

Conditions to avoid : Freezing temperatures.

Heat.

Exposure to sunlight.

Incompatible materials : Bases

Strong acids
Reducing agents
Strong oxidizing agents
Organic materials
Combustible material

Metals

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Hazardous decomposition

products

: In case of fire hazardous decomposition products may be produced

such as: Oxygen

### 11. TOXICOLOGICAL INFORMATION

exposure

Information on likely routes of : Inhalation, Eye contact, Skin contact

**Potential Health Effects** 

: Causes serious eye damage. Eyes

: Causes skin irritation. Skin

Ingestion : Harmful if swallowed.

Inhalation : May cause respiratory tract irritation. Harmful if inhaled.

Chronic Exposure : Health injuries are not known or expected under normal use.

**Experience with human exposure** 

Eye contact : Redness, Pain, Corrosion

Skin contact : Redness, Pain, Irritation

Ingestion Vomiting

Inhalation Respiratory irritation, Cough

**Toxicity** 

**Product** 

: Acute toxicity estimate : 1,389 mg/kg Acute oral toxicity Acute inhalation toxicity : 4 h Acute toxicity estimate : > 10 mg/l

Test atmosphere: vapour

Acute dermal toxicity : no data available Skin corrosion/irritation : no data available Serious eye damage/eye : no data available

irritation

Respiratory or skin

sensitization

: no data available

Carcinogenicity : no data available Reproductive effects : no data available Germ cell mutagenicity : no data available Teratogenicity : no data available STOT - single exposure : no data available

STOT - repeated exposure : no data available

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Aspiration toxicity : no data available

### 12. ECOLOGICAL INFORMATION

**Toxicity** 

**Environmental Effects** : This product has no known ecotoxicological effects.

**Product** 

Toxicity to fish : no data available : no data available Toxicity to daphnia and other

aquatic invertebrates

Toxicity to algae : no data available

Components

Toxicity to fish : Hydrogen peroxide

96 h LC50 Pimephales promelas (fathead minnow): 16.4 mg/l

Components

Toxicity to daphnia and other : Hydrogen peroxide

aquatic invertebrates

48 h LC50 Daphnia magna (Water flea): 2.4 mg/l

Components

Toxicity to algae : Hydrogen peroxide

72 h EC50 Skeletonema costatum (marine diatom): 1.38 mg/l

#### Persistence and degradability

Not applicable - inorganic

#### Bioaccumulative potential

no data available

# Mobility in soil

no data available

### Other adverse effects

Ozone layer hazard: not applicable

# 13. DISPOSAL CONSIDERATIONS

Disposal methods : Where possible recycling is preferred to disposal or incineration. If

recycling is not practicable, dispose of contents/container in

accordance with local regulations Dispose of wastes in an approved

waste disposal facility.

Disposal considerations Dispose of as unused product. Empty containers should be taken to

> an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and

federal regulations.

# 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

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Land transport (KR\_DG)

UN number : 2014

Description of the goods : HYDROGEN PEROXIDE, AQUEOUS SOLUTION

Class : 5.1 (8)
Packing group : II
Environmentally hazardous : No

Sea transport (IMDG/IMO)

UN number : 2014

Proper shipping name : HYDROGEN PEROXIDE, AQUEOUS SOLUTION

Class : 5.1 (8)
Packing group : II
Marine pollutant : No

Special precautions for user : None

Self-Accelerating : 60 °C

decomposition temperature

(SADT)

# 15. REGULATORY INFORMATION

#### **National regulatory information**

# **Industrial Safety and Health Act**

### **Harmful Substances Prohibited from Manufacturing**

Not applicable.

### Korea. Harmful Substances Requiring Permission

Not applicable.

# Substances to be controlled (Article 442 of the Regulation on Industrial Health Standards)

Chemical Name	CAS-No.	Threshold limits:	
Hydrogen peroxide	7722-84-1	>= 1 %	

### **Special Management Materials**

Not applicable.

# **Controlled Substances Subject to Environment Monitoring**

Chemical Name	CAS-No.	Threshold limits:
Hydrogen peroxide	7722-84-1	>= 1 %

### **Controlled Substances Subject to Health Examination**

Not applicable.

### **Subtances with Workplace Exposure Limits**

Hydrogen peroxide

# **Chemicals Subject to Permissible Exposure Limit**

Not applicable.

### **Chemicals Control Act**

#### **Toxic chemicals**

Chemical Name	CAS-No.	NIER No.	Threshold limits:
Hydrogen peroxide	7722-84-1	97-1-2	>= 6 %

#### **Authorized chemicals**

Not applicable.

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#### **Restricted Toxic Chemicals**

Not applicable.

#### **Banned Toxic Chemicals**

Not applicable.

#### **Toxic Release Inventory Chemicals**

Chemical Name	CAS-No.	Group	Threshold limits:
Hydrogen peroxide	7722-84-1	Group II	>= 1 %

#### **Accident Precaution Chemicals**

Chemical Name	CAS-No.	Threshold limits:	Designated quantity for manufacture or use	Designated quantity for storage (kg)
Hydrogen peroxide	7722-84-1	>= 35 %	<= 90,000 kg	<= 30,000 kg

#### **Dangerous Substances Safety Management Act:**

Not Applicable to Dangerous Materials

#### **Waste Management Law**

Industrial waste

#### The components of this product are reported in the following inventories:

### **United States TSCA Inventory:**

All substances listed as active on the TSCA inventory

#### Canadian Domestic Substances List (DSL):

All components of this product are on the Canadian DSL.

### Australia. Australian Industrial Chemicals Introduction Scheme (AICIS):

On the inventory, or in compliance with the inventory

### New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand :

not determined

# Japan. ENCS - Existing and New Chemical Substances Inventory :

On the inventory, or in compliance with the inventory

# Korea. Korean Existing Chemicals Inventory (KECI):

On the inventory, or in compliance with the inventory

# Philippines Inventory of Chemicals and Chemical Substances (PICCS):

On the inventory, or in compliance with the inventory

### **China Inventory of Existing Chemical Substances:**

On the inventory, or in compliance with the inventory

## **Taiwan Chemical Substance Inventory:**

On the inventory, or in compliance with the inventory

### 16. OTHER INFORMATION

Sources of key data used to compile the Safety Data Sheet

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

IARC: (International Agency for Research on Cancer)

US. National Toxicology Program (NTP) Report on Carcinogens

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# **BIOQUELL HPV-AQ**

ECHA List of Publishable Substances Registered EU HPVCs (High Production Volume Chemicals)

Issuing date : 07.06.2022 Date of first issue : 07.06.2022

Version : 1.0

Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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