

## 1 PRODUCTS AND COMPANY IDENTIFICATION

<b>Chemical name</b>	EXMICROR®	<b>Synonymous</b>	
<b>CAS Number</b>	N.A.	<b>Product type</b>	Disinfectant
<b>Use Restriction</b>	N.D.	<b>Manufacturer Name</b>	BIORGÁNICOS ROBECH S. DE R.L. DE C.V.
<b>Address</b>	Lago Zumpango 166-67, Cumbres del Lago, Querétaro. CP 76230	<b>Phone</b>	52 (442) 294-6303
<b>Chemical Family</b>	Water and mixtures containing water	<b>Emergency phone number</b>	52 (442) 294-6303

## 2 HAZARD IDENTIFICATION

Hazard type	Classification	Category	Signal Word
Health	Causes serious eye irritation	2A	Warning

H Code	Hazard statement	Hazard Class	Hazard category
H319	Causes serious eye irritation	Serious eye damage/eye irritation	2A

P Code	Precautionary statements
P264	Wash hands thoroughly after handling.
P280	Wear eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P317	If eye irritation persists: Get medical advice/attention.

### Pictogram



**WARNING**

## 3 Composition/ information on ingredients

Dangerous component name	Common Name	CAS No.	Weight %	ONU No.	Observations
Citric Acid		77-92-9	0.1-4.0		
Chemical name	Common Name	CAS No.	Weight %	ONU No.	Observations
Ascorbic Acid	Vitamin C	50-81-7	0.1-4.0		
Glycerol	Glycerin	56-81-5	0.1-4.0		
Distilled Water		7732-18-5	88.0-99.7		

## 4 FIRST-AID MEASURES

### General

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

Never give anything by mouth to an unconscious person.

**Inhalation**

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Skin**

This product is formulated for external use. Discontinue use if irritation or redness develops.

**Eyes**

Immediately rinse eyes with plenty of water, remove contact lenses, occasionally lifting upper and lower lids, until no evidence of product remains. Obtain medical attention..

**Ingestion**

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention

**Symptoms**

Eyes: May cause eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

Skin: No known acute effects of this product from skin contact.

Inhalation: No known acute effects of this product from inhalation.

Ingestion: No data on acute toxicity of the product when ingested.

## 5 FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media.**

Use media suitable for surrounding fire.

**Specific hazards arising from the chemical (e.g. nature of any hazardous combustion products).**

Hazardous decomposition: None known.

**Special protective equipment and precautions for fire-fighters**

**FIRE FIGHTING EQUIPMENT:** Fire fighters should wear full protective equipment, and have self-contained breathing apparatus available.

**SPECIAL PROCEDURES:** Use water to cool containers exposed to a fire.

ERG Guide No. ----

## 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Put on appropriate personal protective equipment

**Environmental precautions.**

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices.

Wash hands before eating, drinking, smoking or using toilet.

Promptly remove soiled clothing and wash thoroughly before reuse.

**Methods and materials for containment and cleaning up.**

Move containers from spill area.

Dilute with water and mop up or absorb with an inert, dry material and place in appropriate waste disposal container.

## 7 HANDLING AND STORAGE

**Precautions for safe handling**

Avoid contact with eyes.

Do not ingest.

Wash contaminated clothing before reuse.

Do not reuse container.

**Conditions for safe storage, including any incompatibilities.**

Handle containers carefully to prevent damage and spillage.

Keep from freezing. Store between 40-120°F (0-50°C). Keep out of reach of children.

Incompatible materials: Strong bases. Strong oxidants.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters e.g. occupational exposure limit values or biological limit values.

Dangerous component	TWA-TLV	TWA-STEL	TWA-C	Limite Biológico	Otros
Citric Acid	-	-	-	-	-

### Appropriate engineering controls.

None required for normal use.

### Respiratory

None required for normal use.

### Eyes

Safety Glasses.

### Skin

None required for normal use.

### Other Work Practices

Use good personal hygiene practices.

Wash hands before eating, drinking, smoking or using toilet.

Promptly remove soiled clothing and wash thoroughly before reuse.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Liquid	<b>Color</b>	Colorless liquid
<b>Odor</b>	Pleasant Citric	<b>Odor threshold</b>	Not Measured
<b>pH</b>	7.00 -7.10	<b>Melting point / Freezing</b>	Not Measured
<b>Flash Point</b>	None	<b>Initial boiling point and boiling range</b>	Not Measured
<b>Evaporation rate</b>	Not Measured	<b>Flammability (solid, gas)</b>	Not Applicable
<b>Lower Explosive Limit:</b>	Not Measured	<b>Flashpoint</b>	Not Applicable
<b>Upper Explosive Limit:</b>	Not Measured	<b>Vapor pressure</b>	< 1 mmHg @ 20°C
<b>Specific Gravity</b>	0.9984 g/cm <sup>3</sup> @ 20°C	<b>Solubility in Water</b>	Complete
<b>Participation coefficient n-octanol / water (log Kow)</b>	Not Measured	<b>Auto-ignition temperature</b>	Not Measured
<b>Decomposition Temperature</b>	Not Measured	<b>Viscosity (cSt)</b>	Not Measured
<b>Density</b>		<b>Molecular Weight</b>	Mix
<b>Other information</b>	No other relevant information		

## 10 STABILITY AND REACTIVITY

<b>Reactivity</b>	Hazardous Polymerization will not occur.
<b>Chemical stability</b>	Stable under normal circumstances.
<b>Possibility of hazardous reactions</b>	No data available.
<b>Conditions to Avoid</b>	Freezing and extreme heat. Direct sunlight
<b>Incompatible materials</b>	Strong oxidizers. Strong bases.
<b>Hazardous decomposition product</b>	None know

## 11 TOXICOLOGICAL INFORMATION

### Acute toxicity

Dangerous component	LD50 mg/kg	LC50 mg/L	Immediate and delayed effects
Citric Acid Anhydrous	5,400 Oral	Not data available	Not data available

### Acute toxicity

Not applicable

### Skin corrosion / irritation

May cause mild irritation in hypersensitive people.

<b>Serious eye injury / eye irritation</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitization</b>	Not applicable
<b>Germ cell mutagenicity</b>	Not applicable
<b>Carcinogenicity</b>	Not applicable
<b>Reproductive toxicity</b>	Not applicable
<b>Specific target organ systemic toxicity - Single exposure</b>	Not applicable
<b>Specific target organ systemic toxicity - Repeated exposures</b>	Not applicable
<b>Aspiration Hazard</b>	Not applicable

## 12 ECOTOXICOLOGICAL INFORMATION

<b>Toxicity</b>	Citric Acid Anhydrous LC50 Fish 1,440 mg/l Citric Acid Anhydrous EC50 Daphnia 11,534 mg/l
<b>Persistence and degradability</b>	There is no data available on the preparation itself.
<b>Bioaccumulative potential</b>	Not measured.
<b>Mobility on the ground</b>	Not data available.
<b>Results of PBT and vPvB assessment</b>	This product no PBT/vPvB chemicals.
<b>Other adverse effects</b>	Not data available.

## 13 DISPOSAL CONSIDERATION

<b>Methods and containers used for disposal</b>	Observe all federal, state and local regulations when disposing of this substance.
<b>Physical and chemical properties that can influence the elimination process</b>	Not data available.
<b>Special precautions for the incineration or confinement of waste</b>	Not data available.
<b>Other precautions / recommendations</b>	Not data available.

## 14 TRANSPORT INFORMATION

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>UN Number</b>	Not Applicable	Not Regulated	Not Regulated
<b>UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>Transport hazard class(es)</b>	DOT Hazard Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
<b>Packing group</b>	Not Applicable	Not Applicable	Not Applicable
<b>Environmental hazards IMDG</b>	Marine Pollutant: No		
<b>Special precautions for user</b>	No Further information		

## 15 REGULATORY INFORMATION

<b>Regulatory Overview</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
<b>Toxic Substance Control act (TSCA)</b>	All components of this material are either listed or exempt from listing on the TSCA Inventory.
<b>CERCLA / SARA</b>	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.



**California Proposition 65**

**CEPA DSL/NDSL**

**Montreal protocol applies**

**Stockholm**

**Rotterdam**

**Mexican Legislation**

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## 16 OTHER INFORMATION

NFPA: 0-0-0; HMIS:0-0-0

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