

Safety Data Sheet

BIOSUR FAST PLUS

SDS02371100

Revision: 03

Date: 11/12/2018

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1-Identification of the substance and the society or company

1.1 Product information

Name: **BIOSUR FAST PLUS**

Synonyms: ---

1.2 Use: Biocide for industrial use

1.3 Company: **SURFACTAN SA.**

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2-Identification of hazards

2.1 Classification

Acute toxicity, oral	Category 4	(H302)
Skin corrosion/Irritation	Category 1	(H314)
Sensitization, skin	Category 1	(H317)
Serious eye damage/Eye irritation	Category 1	(H318)
Acute toxicity, inhalation	Category 3	(H331)
Specific target organ toxicity, repeated exposure	Category 2	(H373)
Hazardous to the aquatic environment, acute hazard	Category 2	(H401)
Hazardous to the aquatic environment, long-term hazard	Category 2	(H411)

2.2 Labeling elements according to GHS:



Signal Word: Danger.

Hazard statements:

H302: Harmful if swallowed

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction

H318: Causes serious eye damage.

H331: Toxic if inhaled.

H373: May cause damage to the kidneys through prolonged or repeated oral exposure.

H401: Toxic to aquatic life

H411: Toxic to aquatic life with long-lasting effects

Precautionary statements:

Prevention:

P260: Do not breathe mist or spray.

P264: Wash your hands thoroughly after handling.

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

P271: Use only outdoors or in a well-ventilated area.

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

P280: Wear protective gloves, protective clothing, eye protection and face protection.

Response:

P301+312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302+352: IF ON SKIN: Wash with plenty of water for at least 20 minutes.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+338: 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/doctor

P314: Get medical advice/attention if you feel unwell.

P330: Rinse mouth.

P333+313: If skin irritation or a rash occurs: Get medical advice/attention.

P362+364: Take off contaminated clothing and wash it before reuse.

P363: Wash contaminated clothing before reuse.

P391: Collect spillage.

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Storage:

P403+233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

Disposal:

P501: Dispose of contents / container in accordance with local regulations

2.3 Other hazards: No information available

3-Composition / Information of the component

3.1 Description: Formulation of biocides.

3.2 Hazardous substances contained:

Designation	CAS	Classification	%Percent
Diethylene glycol	111-46-6	H302 Cat. 4; H373 Cat. 2	30 – 50
Dibromocycanoacetamide	10222-01-2	H301 Cat. 3; H314 Cat. 1 H317 Cat. 1; H318 Cat. 1 H331 Cat. 3; H400 Cat. 1 H410 Cat. 1	10 – 20
Methyl and	2682-20-4 / 26172-55-4	H315 Cat. 2; H317 Cat. 1	1 – 2
Chloro Methyl Isothiazolinone		H318 Cat. 1; H412 Cat. 3	

The full texts of the H-phrases mentioned are indicated in Section 16.

4-First aid measures

4.1 General information: In case of not having medical personnel at the time, read the safety data sheet of the product involved, and follow the instructions that are described. Symptoms as a result of intoxication may occur post-exposure, so if discomfort continues, seek medical attention, showing the SDS of this product.

- Inhalation:** Move the person to fresh air and keep in a position that will ease breathing. Seek medical attention.
- Skin contact:** Immediately remove all contaminated clothing. Wash skin thoroughly with soap and water for at least 20 minutes. Do not reuse contaminated clothing unless it has been washed. Get medical attention if irritation develops.
- Eye contact:** Rinse thoroughly with water for several minutes. Remove the contact lenses when present and easy to do. Continue washing. Seek medical attention.
- Ingestion:** Rinse mouth and throat because there is a possibility that they may have been affected by ingestion. Do not induce vomit, in case of occurrence; keep the head forward to prevent aspiration. Keep the patient at rest. Seek medical attention.

4.2 Main symptoms and effects, both acute and delayed: The acute and delayed effects are indicated in the Sections 2 and 11.

4.3 Indication of any medical attention of the special treatments that must be dispensed immediately: Not relevant.

5-Fire-fighting measures

5.1 Suitable extinguishing agents: Water spray, dry chemical, foam, carbon dioxide.

5.2 Not suitable: Water jet.

5.3 Specific hazards of the chemical product: No relevant.

5.4 Special measures to be taken by fire-fighting teams: Take the usual measures for working with chemicals. Wear protective clothing for firefighting. Wear self-contained breathing apparatus. Thermal decomposition generates carbon oxides, nitrogen oxides, bromine oxide, and chlorine oxide. Keep containers cool by spraying with water.

6-Measures to be taken in case of accidental discharge

6.1 Personal precautions, protective equipment and emergency procedures: Wear protective clothing in accordance with the instructions given in section 8 to prevent any contamination of the skin, eyes and clothing.

In case of accidental spillage, isolate the spilling area in all directions. Keep unauthorized personnel away, do not touch or walk on spilled material.

6.2 Protective measures for the environment: Avoid the product to enter to drains or floors.

6.3 Procedure for cleaning/collecting: Pick up with inert absorbent material or mechanically, avoid entering watercourse. Recover or dispose of according to current regulations. Clean the waste area with water. Contaminated water should be kept in properly labeled containers and not allowed to flow into the ground or to surface water.

7-Handling and storage

7.1 Precautions for a safety handling:

- a) General precautions: Take normal precautions for working with liquids; provide general ventilation and eye wash facility. Avoid formation of mist or spray. Do not eat, drink or smoke in work areas, wash your hands after the manipulation of the product.
- b) Technical recommendations for fire and explosion prevention: No special measures are required.

7.2 Conditions for safe storage, including any incompatibilities: Store at temperatures between 10°C and 430°C. Keep containers tightly closed and sealed. Do not expose to direct sunlight. Do not store with oxidizing substances. Do not use aluminum containers.

8-Exposure controls / Personal protection

8.1 Control parameters: Adequate extraction or ventilation. Take safety measures for the handling of chemicals in the form of liquids.

- a) **Exposure limits:** No information available.

8.2 Appropriate technical controls: It is recommended to use personal protective equipment.

8.3 Personal protection equipment:

- a) **Respiratory protection:** Wear respiratory mask in case of mist or spray formation or insufficient ventilation.
- b) **Skin protection:** Use nitrile gloves, as they will provide the necessary and adequate resistance to the handling of this product. Replace gloves with any signs of deterioration. Wear clean clothing that covers the entire body. Wash thoroughly with soap and water after work, and before eating, drinking or smoking.
- c) **Eye / Face protection:** Use safety glasses against splashes and / or projections. Clean daily and disinfect periodically according to the manufacturer's instructions.
- d) **Protection against thermal hazards:** No relevant.

9-Physical and chemical properties ⁽¹⁾

- a) **Appearance:** Transparent yellow liquid.
- b) **Odor:** Characteristic.
- c) **Odor threshold:** No information available.
- d) **pH:** 2.0 – 6.0 (as is)
- e) **Melting/freezing point:** No information available.
- f) **Boiling point:** Initial: Approx. 100°C. Final: No information available.
- g) **Flash point:** Not applicable.
- h) **Evaporation rate:** Not applicable.
- i) **Inflammability:** Not applicable.
- j) **Upper / lower flammability limit:** Not applicable.
- k) **Vapor pressure:** Not applicable.
- l) **Vapor density:** Not applicable.
- m) **Density:** Approximately 1, 2 g/cm³.
- n) **Solubility:** Water: Soluble.
- o) **Partition coefficient n-octanol / water:** No information available.
- p) **Spontaneous ignition temperature:** No information available.
- q) **Decomposition temperature:** No information available.
- r) **Viscosity:** No information available.

⁽¹⁾ Sources consulted: ECHA: European Chemical Agency. Supplier Technical Information.

10-Stability and reactivity

10.1 Reactivity: Not reactive under proper handling and storage conditions.

10.2 Chemical stability: The product is stable under suitable storage conditions.

10.3 Possibility of hazardous reactions: No information available.

10.4 Conditions to avoid: Extreme temperatures, contact with incompatible materials.

10.5 Incompatible materials: Oxydizing agents, reducing agents, amines, strong bases, aluminum.

10.6 Dangerous products of combustion or decomposition: Carbon oxides, hydrogen chloride, nitrogen oxides, gaseous hydrogen, bromide.

11-Toxicological information⁽¹⁾

- a) **Acute toxicity:** Harmful if swallowed. Toxic if inhaled.
- b) **Skin corrosion/irritation:** Causes severe skin burns.
- c) **Serious eye damage/eye irritation:** Causes serious eye damage.
- d) **Respiratory or skin sensitization:** May cause an allergic skin reaction
- e) **Germ cell mutagenesis:** Not classified
- f) **Carcinogenicity:** Not classified
- g) **Reproductive toxicity:** Not classified
- h) **Specific target organ toxicity-Single exposure:** Not classified
- i) **Specific target organ toxicity-Repeated exposure:** May cause damage to the kidneys through prolonged or repeated oral exposure.
- j) **Aspiration hazard:** Not classified

11.1 Information on possible routes of exposure:

- a) **Skin/eye exposure:** Causes severe skin burns and eye damage. May cause an allergic skin reaction.
- b) **Ingestion:** Harmful if swallowed. May cause nausea, dizziness, vomiting.
- c) **Inhalation:** Toxic if inhaled. May cause irritation of the respiratory tract membranes and mucous membranes in case of inhalation of mist or spray.

11.2 Other information:

⁽¹⁾ Based on information on product components. Sources consulted: ECHA: European Chemical Agency, U.S. National Library of Medicine, TOXNET, databases: HSDB: Hazardous Substances Data Bank. Supplier Technical Information. IARC: International Agency for Research on Cancer

12-Ecological information

- a) **Toxicity:** Toxic to aquatic life with long-lasting effects.
- b) **Persistence and degradability:** No information available.
- c) **Bioaccumulation Potential:** No information available.
- d) **Mobility in soil:** No information available.
- e) **Other adverse effects:** No information available.

Additional ecological information: Do not discharge into drains or surface waters.

13-Disposal considerations

13.1 Methods of disposal:

- a) **Recommendation:** Must not be disposed with household waste, recycle or dispose of in accordance with local regulations (e.g. approved plant incineration).
- b) **Dirty containers:** They should be treated as the contents.
- c) **Recommended cleaning medium:** Water. Cleaning water must be treated in accordance with current regulations.

14-Transport information (land, sea and air)

Land transport (MERCOSUR // S.O.P.T.R.A. Dec. 195/97 R.A.):

UN Number: 2927

Class: 6.1

Packing group: II

Intervention sheet N ° 154

UN Proper shipping name: Toxic liquid, corrosive, organic, n.o.s.

Shipping:

IMDG

UN Number: 2927

Class: 6.1

UN Proper shipping name: Toxic liquid, corrosive, organic, n.o.s.

Air transport:

ICAO / IATA

UN Number: 2927

Class: 6.1

UN Proper shipping name: Toxic liquid, corrosive, organic, n.o.s.

15-Regulatory information

This product is classified and labeled according to the Globally Harmonized System (GHS).
Observe all federal, state and local environmental regulations when disposing of this material.

16-Other information

16.1 Description of the H-Phrases section 3:

H301: Toxic if swallowed

H302: Harmful if swallowed

H314: Causes severe skin burns and eye damage

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H318: Causes serious eye damage

H331: Toxic if inhaled.

H373: May cause damage to the kidneys through prolonged or repeated oral exposure.

H400: Very toxic to aquatic life

H410: Very toxic to aquatic life with long-lasting effects

H412: Harmful to aquatic life with long-lasting effects

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