

Safety Data Sheet

Biosoft S-120

Version 1.1

Revision Date: 06/15/2022

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Biosoft S-120

Manufacturer or supplier's details

Company : Univar Solutions México, S. de R.L. de C.V.
Address : Av. Xola, número 535, piso 2, Col. Del Valle Norte
Deleg. Benito Juárez CP 03103
Ciudad de México
Mexico

Emergency telephone number:
Transport North America: CHEMTREC (1-800-424-9300)
CHEMTREC INTERNATIONAL Tel # 703-527-3887
SETIQ 800 00 214 00 / 55 55 59 15 88

Additional Information: : Responsible Party: Product Compliance Department
E-Mail: SDSL@univarsolutions.com
SDS Requests: 55 1107 0170
Website: www.univarsolutions.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Oral) : Category 4

Acute toxicity (Dermal) : Category 5

Skin corrosion : Category 1

Serious eye damage : Category 1

Carcinogenicity : Category 1B

Short-term (acute) aquatic hazard : Category 2

Long-term (chronic) aquatic hazard : Category 3

GHS label elements

Hazard pictograms : 

Signal word : Danger

Hazard statements : H302 Harmful if swallowed.
H313 May be harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H350 May cause cancer.
H401 Toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Safety Data Sheet

Biosoft S-120

Version 1.1

Revision Date: 06/15/2022

Precautionary statements : **Prevention:**
 P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P264 Wash skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
 P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
 P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
 P304 + P340 + P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.
 P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
 P312 Call a POISON CENTER or doctor/ physician if you feel unwell.
 P363 Wash contaminated clothing before reuse.
Storage:
 P405 Store locked up.
Disposal:
 P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

This SDS was prepared according to NOM-018-STPS-2015.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

CAS-No.	Chemical name	Weight percent
68584-22-5	Benzenesulfonic acid, C10-16-alkyl derivs.	90 - 100
68648-87-3	Benzene, C10-16-alkyl derivs.	1 - 5
7664-93-9	Sulfuric acid	1 - 3

Any concentration shown as a range is due to batch variation.

Synonyms : Alkybenzenesulfonic acid,

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.

Safety Data Sheet

Biosoft S-120

Version 1.1

Revision Date: 06/15/2022

If inhaled	<p>Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.</p> <p>: If unconscious, place in recovery position and seek medical advice.</p>
In case of skin contact	<p>If symptoms persist, call a physician.</p> <p>: Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.</p> <p>If on skin, rinse well with water. If on clothes, remove clothes. Take victim immediately to hospital.</p>
In case of eye contact	<p>: Small amounts splashed into eyes can cause irreversible tissue damage and blindness.</p> <p>In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. Take victim immediately to hospital.</p>
If swallowed	<p>: Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.</p>
Most important symptoms and effects, both acute and delayed	<p>: None known.</p>

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	<p>: Dry chemical Alcohol-resistant foam Carbon dioxide (CO₂) Water spray</p>
Unsuitable extinguishing media	<p>: High volume water jet</p>
Specific hazards during fire-fighting	<p>: Do not allow run-off from fire fighting to enter drains or water courses.</p>
Hazardous combustion products	<p>: Carbon oxides sulfur oxides Gases hazardous to health may be formed. Sulphuric acid</p>
Specific extinguishing methods	<p>: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.</p>
Special protective equipment for firefighters	<p>: Wear self-contained breathing apparatus for firefighting if necessary.</p>

Safety Data Sheet

Biosoft S-120

Version 1.1

Revision Date: 06/15/2022

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
- Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Neutralize with chalk, alkali solution or ammonia.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
To avoid spills during handling keep bottle on a metal tray.
Dispose of rinse water in accordance with local and national regulations.
- Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid : Do not store near acids.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
7664-93-9	Sulfuric acid	LMPE-PPT	1 mg/m ³	MX OEL
		VLE-PPT (Thoracic)	0.2 mg/m ³	NOM-010-STPS-2014

Safety Data Sheet

Biosoft S-120

Version 1.1

Revision Date: 06/15/2022

		fraction)		
		TWA (Thoracic particulate matter)	0.2 mg/m ³	ACGIH

Personal protective equipment

- Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
- Filter type : Combined particulates, inorganic gas/vapour and organic vapour type
In the case of vapour formation use a respirator with an approved filter.

Hand protection

- Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

- Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

- Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : viscous, liquid
- Colour : dark amber
- Odour : characteristic
- Odour Threshold : No data available
- pH : < 1
- Freezing point (Melting point/freezing point) : -18 °C (-0.40 °F)
- Freezing point (Pour point) : -15 °C (5 °F)
- Boiling point (Initial boiling point and boiling range) : > 100 °C (212 °F)
- Flash point : > 93.9 °C (201.0 °F)
Method: Pensky-Martens closed cup
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available
- 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 : 1.0577 @ 25 °C (77 °F)
- Density : No data available
- Water solubility : No data available
- Solubility in other solvents : No data available

Safety Data Sheet

Biosoft S-120

Version 1.1

Revision Date: 06/15/2022

Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Thermal decomposition	:	No data available
Viscosity	:	
Viscosity, dynamic	:	960 cps @ 25 °C (77 °F)

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	No data available
Incompatible materials	:	Reducing agents Bases

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity	:	Assessment: The component/mixture is moderately toxic after single ingestion.
Acute dermal toxicity	:	Assessment: The component/mixture is minimally toxic after single contact with skin.

Skin corrosion/irritation

Components:

68648-87-3:

Result: Irritating to skin.

7664-93-9:

Species: Rabbit

Result: Causes severe burns.

Serious eye damage/eye irritation

Components:

68584-22-5:

Species: Rabbit

Result: Irritating to eyes.

7664-93-9:

Species: Rabbit

Result: Risk of serious damage to eyes.

Safety Data Sheet

Biosoft S-120

Version 1.1

Revision Date: 06/15/2022

Germ cell mutagenicity

Components:

7664-93-9:

Genotoxicity in vitro : Test Type: Ames test
Species: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Result: negative

Carcinogenicity

Product:

Carcinogenicity - Assessment : Possible human carcinogen

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Acute aquatic toxicity- Assessment : Toxic to aquatic life.

Chronic aquatic toxicity- Assessment :
Harmful to aquatic life with long lasting effects.

Components:

68648-87-3:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.08 mg/l
Exposure time: 48 h

M-Factor (Acute aquatic toxicity) : 10

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Chronic Toxicity Value (Daphnia magna (Water flea)): 0.0075 mg/l
Exposure time: 21 d

Acute aquatic toxicity- Assessment : Very toxic to aquatic life.

Chronic aquatic toxicity- Assessment : Very toxic to aquatic life with long lasting effects.

Safety Data Sheet

Biosoft S-120

Version 1.1

Revision Date: 06/15/2022

Persistence and degradability

Components:

68584-22-5:

Biodegradability : aerobic
Inoculum: activated sludge
Result: Readily biodegradable.
Biodegradation: 94 %
Exposure time: 28 d

68648-87-3:

Biodegradability : aerobic
Result: Readily biodegradable.
Biodegradation: 99.4 %
Testing period: 7 d
Exposure time: 28 d

7664-93-9:

Biodegradability : Remarks: No data available

Bioaccumulative potential

Components:

68584-22-5:

Bioaccumulation : Bioconcentration factor (BCF): 70.79
Remarks: QSAR

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life.
Harmful to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

Safety Data Sheet

Biosoft S-120

Version 1.1

Revision Date: 06/15/2022

SECTION 14. TRANSPORT INFORMATION

DOT (Department of Transportation):

UN3265, Corrosive liquid, acidic, organic, n.o.s., (BENZENESULFONIC ACID, C10-16-ALKYL DERIVS.), (SULFURIC ACID, BENZENESULFONIC ACID, C10-16-ALKYL DERIVS.), 8, II

MX-DG (Mexico Road Transportation):

UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (BENZENESULFONIC ACID, C10-16-ALKYL DERIVS.), (SULFURIC ACID, BENZENESULFONIC ACID, C10-16-ALKYL DERIVS.), 8, II

IATA (International Air Transport Association):

UN3265, Corrosive liquid, acidic, organic, n.o.s., (BENZENESULFONIC ACID, C10-16-ALKYL DERIVS.), (SULFURIC ACID, BENZENESULFONIC ACID, C10-16-ALKYL DERIVS.), 8, II, Flash Point:93.9 °C(201.0 °F)

IMDG (International Maritime Dangerous Goods):

UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (BENZENESULFONIC ACID, C10-16-ALKYL DERIVS.), (SULFURIC ACID, BENZENESULFONIC ACID, C10-16-ALKYL DERIVS.), 8, II, Flash Point:93.9 °C(201.0 °F)

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

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

TSCA	: On TSCA Inventory
DSL	: All components of this product are on the Canadian DSL
AICS	: On the inventory, or in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory
ENCS	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Further information

Other information : The information accumulated is based on the data of

Safety Data Sheet

Biosoft S-120

Version 1.1

Revision Date: 06/15/2022

which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Univar Solutions Product Compliance Department (55 1107 0170) SDSLA@univarsolutions.com.

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.

Key or legend to abbreviations and acronyms used in the safety data sheet

ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances

Safety Data Sheet

Biosoft S-120

Version 1.1

Revision Date: 06/15/2022

MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50		Lethal Concentration 50%	