

SECURITY DATA SHEET



SECTION I. PRODUCT AND COMPANY IDENTIFICATION

I.1 Product name:

Biorgan SF

I.2 Other means of identification:

Not applicable

I.3 Recommended use for the product or mixture

Fertilizer

I.4 Supplier or producer data

Company:

Farmacia Agroquímica de México, S.A. de C.V.

Blvd. Jaime Benavides P. No 645,

Colonia del Valle, Ramos Arizpe,

Coahuila, México C.P. 25904.

e-mail:

fagro@fagro.com.mx

Telephone:

+52 844 488 2400

I.5 Emergency telephone:

+52 844 488 2400

(Monday to Friday 8:00 to 18:00)

CAF +52-800-718-4350

SINTOX: +52 800 009 2800

SECTION 2. HAZARDS IDENTIFICATION

2.1 Product classification

Health hazard.

2.2 Signaling elements, including prudence advice and caution pictograms

Word of warning:

ATTENTION

- May be harmful if swallowed (Category 5)

2.2.1 Hazard indications

H303:

May be harmful if swallowed.

2.2.3 Prudence declaration(s)

P270:

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

P272:

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

P301 + P311:

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P411:

Store at temperatures not exceeding 30°C.

2.3 Other hazards

None

SECTION 3. COMPOSITION / INFORMATION ABOUT THE COMPONENTS

Chemical family:	Compounds mixture			
Product	CAS	%	UN No.	MPEL-PT, MPEL-CT, MPEL-P
Bacillus subtilis	68038-70-0	15-20 %	NA	NA
Paenibacillus taichungensis	NA	15-20 %	NA	NA
Organic matter	NA	10-15 %	NA	NA
Seaweed extract	NA	2.0 %	NA	NA
Humic acid	1415-93-6	0.5 %	NA	NA

SECTION 4. FIRST AID

4.1 General recommendations.

Consult a medic. Show this material safety data sheet to the doctor in attendance.

4.2 Eye contact.

Rinse with abundant water for 15 minutes and consult a medic if discomfort persists.

4.3 Skin contact.

Remove contaminated clothes and shoes immediately. Eliminate washing with soap and abundant water. Consult a medic if discomfort persists.

4.4 Ingestion.

If the product was ingested and the person is conscious, rinse the mouth with water and do not induce vomit. Seek medical attention.

4.5 Inhalation.

If inhaled, move the person to a place with fresh air. If the person stopped breathing, do artificial respiration. Seek medical attention.

SECTION 5. MEASURES AGAINST FIRES

5.1 Means of extinction.

Water spray	Foam	CO <sub>2</sub>	Chemical powder	Other
X	X	X	X	X

5.2 Special dangers derived from the substance or mixture

Toxic gases may be released from the packages during the combustion.

5.3 Advice for firefighters.

Use complete firefighting equipment and place it in strategic and easy access points in the production plant, and only trained staff shall handle this equipment.

SECTION 6. MEASURES THAT MUST BE TAKEN IN CASE OF SPILLOVER OR ACCIDENTAL LEAK

6.1 Personal precautions, protection equipment and emergency procedures

Use safety glasses and gloves.

Ensure an appropriate ventilation.

Evacuate personnel to safe zones.

Personal protection equipment

\*NA: Not available



<b>6.2 Environmental precautions.</b> Do not let the product enter the sewage system.		Solubility (ies)		Partially soluble in water.
<b>6.3 Methods and material for containment and cleaning up.</b> Use inorganic absorbent material. Pick material for waste and place it in a clean and dry container for its disposal, according to the federal, state, and local legislations. Disinfect the area, wash with water and detergent.		Partition coefficient n-octanol/water		No data available
<b>SECTION 7. HANDLING AND STORAGE</b>		Autoignition temperature		No data available
<b>7.1 Precautions for safe handling.</b> Avoid direct contact with skin and eyes.		Decomposition temperature		No data available
<b>7.2 Safe storage conditions.</b> Always store on the original package well capped and labeled. Avoid storage at temperatures above 35 °C. Avoid contact directly with the sun.		Viscosity		No data available
<b>SECTION 8. EXPOSITION CONTROLS / PERSONAL PROTECTION</b>		Molecular weight		No data available
<b>8.1 Control Parameters</b> NA		Other relevant data		No data available
<b>8.2 Appropriate technical controls</b> Manipulate with adequate industrial hygiene cautions and respect the security practices. Wash your hands before breaks and after finishing the workday.		<b>SECTION 10. STABILITY AND REACTIVITY</b>		
<b>8.3 Personal protection equipment</b> <u>Protection for eyes/face</u> Use safety glasses  <u>Protection for skin</u> Manipulate with gloves. Discard the contaminated gloves after using, in accordance with the applicable laws and good laboratory practices. Wash and dry your hands.  <u>Corporal protection</u> Work clothes, apron, and work shoes.		<b>10.1 Reactivity</b> Stable.		
<b>SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES</b>		<b>10.2 Chemical stability</b> Stable under recommended storage conditions.		
Appearance:	Brown fluid liquid	<b>10.3 Possibility of hazardous reactions</b> No available data.		
Smell	No data available	<b>10.4 Conditions to avoid</b> Temperatures over 35 °C and direct exposure to the sunlight.		
Odor threshold	No data available	<b>10.5 Incompatible materials</b> Incompatible with strong oxidants, bactericides, products with copper, antibiotics and chemicals that alter the pH 4-8.		
1% pH	4.0 – 5.0	<b>10.6 Hazardous decomposition products</b> See section 5.		
Melting point	Not applicable	<b>SECTION II. TOXICOLOGIC INFORMATION</b>		
Boiling point	No data available	<b>II.1 Acute toxicity</b> No data available.		
Flashpoint	No data available	<b>II.2 Additional information</b> The ingestion of the product may cause stomach disorders, diarrhea and nausea.		
Evaporation rate	No data available	<b>SECTION 12. ECOTOXICOLOGICAL INFORMATION</b>		
Inflammability	No data available	<b>12.1 Toxicity</b> No data available.		
Superior/inferior limit of inflammability or explosiveness	No data available	<b>12.2 Persistence and degradability</b> The product is biodegradable, since if it reaches the ground it is absorbed by plants or is incorporated into the natural cycles of the soil.		
Vapor pressure	No data available	<b>12.3 Bioaccumulation potential</b> No data available		
Vapor density	No data available	<b>12.4 Mobility in soil</b> The product incorporates into the natural cycle of the soil.		
Relative density	8.34 ± 0.05 lb/gal			



<b>12.5 Other adverse effects</b>	
No available data	
<b>SECTION 13. ELIMINATION RELATED CONSIDERATIONS</b>	
Avoid the contamination of ponds and water supplies, cover forages and water fountains when applied in areas near livestock or domestic animals	
Wash the empty packages three times before destroying them and add the washes to the appliance tank; later dispose the empty packages according to the General Law on Ecological Equilibrium and Protection of the Environment, on the Matter of Hazardous Wastes	
<b>SECTION 14. TRANSPORT RELATED INFORMATION</b>	
<b>14.1 UN number</b>	Not applicable
<b>14.2 Official designation of UN transport</b>	Not applicable
<b>14.3 Hazard class (IMO)</b>	Non dangerous merchandise
<b>14.4 Packaging group</b>	Non dangerous merchandise
Before loading the vehicle, you should verify that there are no splinters or nails that may damage the packaging material and make sure that the vehicle is covered to avoid contact with rain or direct sunlight. The conditions must be in accordance with the ground, marine and air transportation of hazardous materials regulation.	
<b>SECTION 15. REGULATORY INFORMATION</b>	
<b>SARA 302 Components</b>	
This material does not contain chemical products subject to the requirements reported by SARA Title III, section 302.	
<b>SARA 313 Components</b>	
This material does not contain any chemical component with the known CAS numbers that exceed the threshold of the reported levels (De Minimis) established by SARA title III, section 313.	
<b>SARA 311/312 Dangers</b>	
Not dangerous according to the American legislation SARA.	
<b>SECTION 16. OTHER INFORMATION</b>	
The information is considered correct but is not exhaustive and will only be used as orientation, which is based on the actual knowledge of the chemical substance or mixture and applies with the appropriate security cautions for the product.	
All the information and data that appear in this safety sheet are correct and reliable. However, it is the user's responsibility to determine the safety, toxicity, and convenience of the use of the described product. Because the third-party use is out of our control, there is no express or implicit guarantee. The user assumes all the risks and responsibilities.	