SAFETY DATA SHEET

1. Identification of the substance or preparation and of the company or undertaking

1.1 Identification of the substance or preparation: **Sunagreen®**

1.2 Use of the substance or preparation: As a plant growth regulator.

1.3 Identification of the manufacturer / importer:

Name or trade name: BIOSFOR, spol. s r.o.

Place of business or registered office: Slepotice 36, 530 02 Pardubice

Company ID No.: 25986988

Phone: +420 466 401 703

Fax: +420 466 401 703

Name or trade name of the supplier: Chemap Agro, s. r.o.

Place of business or registered office: Dašice 475, 533 03 Dašice

Company ID No.: 27482308

Phone: +420 466 670 750

Fax: +420 466 670 893

E-mail: vladimir.cech@chemap.cz

1.4 Emergency telephone number: +420 224 915 402, +420 224 919 293 (24 hours a day)

2. Hazards identification

Not classified as hazardous.

3. Composition / information on ingredients

3.1 Composition:

3.3 Hazardous substances contained in a preparation not classified as hazardous

Name	Concentration in %	CAS	EC (EINECS)	Hazard symbol	R-phrases	Classification acc. to Reg. (EC) 1272/2008
2-Aminobenzoic acid	0.5	118-92-3	204-287-5	Xn	22-36/37/38	Acute Tox. 4 H302 Eye Irrit. 2 H319 STOT SE 3 H335 Skin Irrit. 2 H315
2-Hydroxybenzoic acid	0.25	69-72-7	200-712-3	Xn	22-36/37/38	Acute Tox. 4 H302 Eye Irrit. 2 H319 STOT SE 3 H335 Skin Irrit. 2 H315

3.5 Name and registration number: see section 3.1

3.6 Chemical nature of the substances in accordance with Article 15 of Directive 1999/45/EC or footnotes to section 3.3: ---
The full text of the R-phrases is given in section 16.

4. First aid measures

4.1 General advice: If symptoms occur or in case of doubt, inform a physician and provide him/her with the information from this safety data sheet or from the product label.

4.2 Inhalation: Leave the contaminated area, keep at rest and protect from cold.
4.3 Skin contact: Remove contaminated clothing and wash thoroughly with soap and water.
4.4 Eye contact: Rinse with a stream of lukewarm clean water for 15 minutes.
4.5 Ingestion: Drink 0.5 l of lukewarm water with 5 tablets of activated charcoal.
4.6 Other information: None.

5. Fire-fighting measures

5.1 Suitable extinguishing media: The product is not flammable. Adapt extinguishing media to the surroundings. Water, foam and carbon dioxide extinguishers.
5.2 Unsuitable extinguishing media: None.
Special hazards: None.
5.3 Special protective equipment for firefighters: None.
5.4 Other information: None.

6. Accidental release measures

6.1 Personal precautions: Avoid skin contamination.
6.2 Environmental precautions: Prevent the preparation from entering sources and receiving bodies of surface water and groundwater.
6.3 Recommended methods for cleaning up and disposal: Absorb in an absorbent combustible material (sawdust) and incinerate at a temperature above 1200 °C.
6.4 Note: Use the personal protective equipment listed in section 8 and dispose of in accordance with section 13.

7. Handling and storage

7.1 Handling: Use personal protective equipment. Prevent entry into sewers and groundwater.
7.2 Storage: Store separately from food and animal feed in a warehouse at +5 to +40 °C. Protect from direct sunlight and radiant heat.
Packaging material: Plastic.
7.3 Specific uses: None.

8. Exposure controls / personal protection

8.1 Exposure limit values: PEL no data available,
MAC no data available.
8.2 Exposure controls:
8.2.1 Occupational exposure controls: Observe basic hygiene rules for working with chemicals.
8.2.1.1 Respiratory protection: Not required.
8.2.1.2 Hand protection: Protective gloves – material: nitrile 0.1 mm, breakthrough time 480 min.
8.2.1.3 Eye protection: Safety goggles or face shield.
8.2.1.4 Skin protection: Work clothing.
8.2.2 Environmental exposure controls: Prevent entry into sewers and groundwater.

9. Physical and chemical properties

9.1 General information:
Physical state (at 20 °C): Liquid.
Colour: Colourless to slightly brownish.
Odour: Faint, characteristic of the raw materials.
9.2 Important health, safety and environmental information
pH value (at °C): 6.0 to 7.0.
Melting point / range (°C): < -8 °C.
Boiling point / range (°C): 100 – 102 °C.
Flash point (°C): Not applicable.
Flammability: Non-flammable substance.
Auto-flammability: Not applicable.
Explosive limits: upper limit (% vol.): Not applicable,
lower limit (% vol.): not applicable.
Oxidising properties: None.
Vapour pressure (at 20 °C): 2.4 kPa.
Density (at 20 °C): 1000 – 1010 kg/m^3.
Solubility (at °C):
- in water unlimited,

	- in fats	insoluble.
	(including oil specification)	
	Partition coefficient n-octanol/water:	No data available.
	Evaporation rate:	Not determined.
9.3	Other information:	None.

10. Stability and reactivity

	Conditions under which the product is stable:	Normal pressure and temperature.
10.1	Conditions to avoid:	Direct sunlight and radiant heat.
10.2	Materials to avoid:	Substances that react with water.
10.3	Hazardous decomposition products:	None.

11. Toxicological information

11.1 Acute toxicity

- LD_{50}, oral, rat ($mg.kg^{-1}$):	> 2000,
- LD_{50}, dermal, rat or rabbit ($mg.kg^{-1}$):	no data available,
- LC_{50}, inhalation, rat, aerosols or particulates ($mg.kg^{-1}$):	no data available,
- LC_{50}, inhalation, rat, gases and vapours ($mg.kg^{-1}$):	no data available.

Toxicokinetics:	Not known.
Metabolism and distribution:	Not known.
Sensitisation:	No sensitising effects are known.
Carcinogenicity:	No carcinogenic effects are known.
Mutagenicity:	Ames test (Salmonella typhimurium TA97, TA98, TA100) – negative result.
Reproductive toxicity:	Not known.
Human experience:	HoDL: no data available.
Animal testing:	See section 11.1
Other information:	
Eye test – degree of damage:	0 non-irritating,
Skin test – degree of damage:	0 non-irritating.

12. Ecological information

	Acute toxicity to aquatic organisms:	No data known.
12.1	Ecotoxicity:	
	- LC_{50}, 96 h, fish ($mg.kg^{-1}$):	No data available,
	- EC_{50}, 48 h, daphnia ($mg.kg^{-1}$):	no data available,
	- IC_{50}, 72 h, algae ($mg.kg^{-1}$):	no data available.
12.2	Mobility:	No data available.
12.3	Persistence and degradability:	No data available.
12.4	Bioaccumulative potential:	No data available.
12.5	Results of PBT assessment:	Not performed.
12.6	Other adverse effects:	Not known.

13. Disposal considerations

13.1 Safe waste handling: Transfer to a spare container and hand over to an authorised person for disposal.

13.2 Disposal of the substance/preparation: Concentrate spills are absorbed into an absorbent combustible material, which is then incinerated in a waste incineration plant in accordance with Act No. 185/2001 Coll., on waste, as amended, and related regulations.

Disposal of contaminated packaging: Concentrate residues are rinsed out with water, which is then used to prepare a new application solution. After rinsing, empty containers are recycled or incinerated at a temperature above 1200 °C in accordance with Act No. 185/2001 Coll., on waste, as amended, and related regulations.

13.3 Legal regulations: Act No. 185/2001 Coll., on waste, as amended, and related regulations.

14. Transport information

Not classified as hazardous.

14.1 Precautions for transport within or outside the premises: Transport in packaging compliant with ADR.

15. Regulatory information relating to the substance or preparation

Chemical safety assessment: Not performed.

15.1 Labelling of packaging: **Not classified as hazardous.**
Hazard symbol: None.
R-phrases: None.
S-phrases: S 2 Keep out of the reach of children.
S 7 Keep container tightly closed.
S 13 Keep away from food, drink and animal feedingstuffs.
S 24/25 Avoid contact with skin and eyes.
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Follow the instructions for use to avoid risks to human health and the environment.

15.2 Specific provisions for the protection of humans or the environment at EC level: None.
15.3 Legal regulations applicable to the substance/preparation:
Act No. 356/2003 Coll., as amended, and related regulations.
Act No. 156/1998 Coll., as amended, and related regulations.
Decree No. 273/1998 Coll., as amended, and related regulations.
Decree No. 274/1998 Coll., as amended, and related regulations.
Decree No. 474/2000 Coll., as amended, and related regulations.
Regulation (EC) No 2003/2003.
Act No. 185/2001 Coll., on waste, as amended, and related regulations.
Government Regulation No. 178/2001 Coll., laying down the conditions for the protection of employees' health at work, as amended, and related regulations.
Act No. 86/2002 Coll., on air protection, as amended, and related regulations.
Act No. 477/2001 Coll., on packaging, as amended, and related regulations.
Act No. 59/2006 Coll., on the prevention of major accidents, as amended, and related regulations.
Act No. 258/2000 Coll., on the protection of public health, as amended, and related regulations.
Agreement of 30 September 1957 concerning the International Carriage of Dangerous Goods by Road (ADR), as amended.
Regulation (EC) No 1907/2006.
Regulation (EC) No 1272/2008.

16. Other information

R-phrases: R 22 Harmful if swallowed; R 36/37/38 Irritating to eyes, respiratory system and skin.
Training instructions: Provide training in accordance with applicable regulations: occupational health and safety, fire protection, the European Agreements concerning the International Carriage of Dangerous Goods ADR/RID, packaging regulations and waste regulations, especially with regard to health, safety and environmental protection.
Recommended restrictions on use: None.
Contact for technical information: +420 737 935 852
Sources used to compile the safety data sheet: Manufacturer's safety data sheet.
New, amended or deleted information: Classification according to Regulation (EC) No 1272/2008 in section 3.
The information contained in this safety data sheet relates only to the product specified, corresponds to our current knowledge and experience and may not be exhaustive. The user is responsible for handling the product in accordance with applicable laws.