



## Basfoliar Sun Protect

Version: 3.1

Revision Date:  
04.01.2017

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : Basfoliar Sun Protect

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-  
stance/Mixture : Plant assistants

#### 1.3 Details of the supplier of the safety data sheet

Company	: COMPO Expert GmbH Kroegerweg 10 D-48155 Münster	AgNova Technologies Pty Ltd Suite 3, 935 Station Street Box Hill North, Vic. 3129 Australia
Telephone	: +49 (0) 251 29 79 81 – 000	+61(3) 9899 8100
Telefax	: +49 (0) 251 29 79 81 - 111	+61(3) 9899 8500
E-mail address of person responsible for the SDS	: info@compo-expert.com	info@agnova.com.au

#### 1.4 Emergency telephone number

Quality / Safety / Environment  
Telephone: +49 (0) 2151 - 579 - 0

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4 H332: Harmful if inhaled.

Eye irritation, Category 2 H319: Causes serious eye irritation.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.  
H332 Harmful if inhaled.

Precautionary statements : P101 If medical advice is needed, have product  
container or label at hand.  
P102 Keep out of reach of children.

##### Prevention:



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Wear protective gloves/ protective clothing/  
eye protection/ face protection.

### 2.3 Other hazards

Follow the directions.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Plant assistants

#### Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
benzyl alcohol	100-51-6 202-859-9	Acute Tox. 4; H302 Acute Tox. 4; H332	>= 10 - <= 20
Ferulic acid	1135-24-6 214-490-0	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335	>= 1 - <= 5
Boric acid (H <sub>3</sub> BO <sub>3</sub> ), reaction products with ethanolamine	94095-04-2 302-207-4		>= 20 - <= 25

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : Take off immediately all contaminated clothing.  
Move the victim to fresh air.
- If inhaled : If breathed in, move person into fresh air.  
If unconscious place in recovery position and seek medical  
advice.  
If breathing is irregular or stopped, administer artificial respira-  
tion.
- In case of skin contact : Take off all contaminated clothing immediately.  
Wash off with soap and water.
- In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes  
and consult a physician.
- If swallowed : Do NOT induce vomiting.  
If symptoms persist, call a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.
- Risks : No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.



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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : ABC powder  
Carbon dioxide (CO<sub>2</sub>)  
Water spray jet  
Alcohol-resistant foam

Unsuitable extinguishing media : High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : In the event of fire and/or explosion do not breathe fumes.

#### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus and chemical-protective clothing.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear personal protective equipment.  
Keep container tightly closed.

#### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Prevent further leakage or spillage.  
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

#### 6.4 Reference to other sections

For personal protection see section 8.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : Keep in a dry, cool and well-ventilated place.  
Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against : Keep away from sources of ignition - No smoking.



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fire and explosion

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep in a well-ventilated place. Keep away from heat.

Storage class (TRGS 510) : 10, Combustible liquids

### 7.3 Specific end use(s)

Specific use(s) : Always read the label and product information before use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Boric acid (H <sub>3</sub> BO <sub>3</sub> ), reaction products with ethanolamine			0,5 mg/m <sup>3</sup>	DE TRGS 900
			2,6 mg/m <sup>3</sup>	TRGS 900 (DE)

We are not aware of any national exposure limit.

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Tightly fitting safety goggles

Hand protection

Material : butyl-rubber

Glove length :

Wearing time : 8 h

Fluorinated rubber

8 h

Skin and body protection : Wearing of closed work clothing is recommended.

Respiratory protection : Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).  
Gas filter EN141 Type A for gases/vapours of organic compounds (boiling point >65 °C).

#### Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.

Soil : Avoid subsoil penetration.

## SECTION 9: Physical and chemical properties



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### 9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: product specific
Odour	: characteristic
pH	: ca. 6, (20 °C)
Melting point/range	: No data available
Boiling point/boiling range	: No data available
Flash point	: > 100 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: not auto-flammable
Upper explosion limit	: not determined
Lower explosion limit	: not determined
Vapour pressure	: No data available
Relative vapour density	: No data available
Density	: 1,05 g/cm <sup>3</sup> (ca. 20 °C)
Solubility(ies)	
Water solubility	: partly soluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: not determined
Decomposition temperature	: No decomposition if stored and applied as directed.
Viscosity	
Viscosity, dynamic	: No data available
Explosive properties	: Based on the chemical structure there is no indicating of explosive properties.
Oxidizing properties	: The product has no oxidizing properties, due to the composition.

### 9.2 Other information

Surface tension	: No data available
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## SECTION 10: Stability and reactivity



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### 10.1 Reactivity

None reasonably foreseeable.

### 10.2 Chemical stability

No decomposition if stored normally.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : None known.

### 10.4 Conditions to avoid

Conditions to avoid : No decomposition if stored and applied as directed.

### 10.5 Incompatible materials

Materials to avoid : Incompatible with strong acids and oxidizing agents.

### 10.6 Hazardous decomposition products

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Product:

Acute oral toxicity : Remarks: No data available

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

##### Components:

##### **benzyl alcohol:**

Acute oral toxicity : LD50 (Rabbit): = 1.040 mg/kg

Acute inhalation toxicity : LC50 (Rat): 500 mg/l

Acute dermal toxicity : LD50 (Rabbit): = 2.000 mg/kg

#### Skin corrosion/irritation

##### Product:

Remarks: No data available

#### Serious eye damage/eye irritation

##### Product:

Remarks: No data available

#### Respiratory or skin sensitisation

##### Product:



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Remarks: None known.

### Germ cell mutagenicity

**Product:**

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Result:

### Carcinogenicity

**Product:**

Remarks: Contains no ingredient listed as a carcinogen

### Reproductive toxicity

**Product:**

Effects on fertility :  
Remarks: Contains no ingredient listed as toxic to reproduction

Effects on foetal development : Remarks: Contains no ingredient listed as toxic to reproduction

### STOT - single exposure

**Product:**

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

### STOT - repeated exposure

**Product:**

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

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## SECTION 12: Ecological information

### 12.1 Toxicity

**Components:**

**benzyl alcohol:**

Toxicity to fish : LC50 (golden orfe): 640 mg/l  
Exposure time: 48 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna): 400 mg/l

Toxicity to algae : EC50 (Scenedesmus quadricauda (Green algae)): = 640 mg/l  
Exposure time: 96 h



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Toxicity to bacteria : EC50 (Pseudomonas putida): > 658 mg/l

### 12.2 Persistence and degradability

**Product:**

Biodegradability : Remarks: No data available

### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <= 4).

### 12.4 Mobility in soil

**Product:**

Mobility : Remarks: No data available

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : Remarks: No data available

### 12.6 Other adverse effects

**Product:**

Additional ecological information : Do not flush into surface water or sanitary sewer system. No information on ecology is available.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not flush into surface water or sanitary sewer system.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Observe national and local legal requirements.

Contaminated packaging : Observe all local regulations.  
Offer rinsed packaging material to local recycling facilities.

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## SECTION 14: Transport information

### 14.1 UN number

Not regulated as a dangerous good

### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good





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### 14.4 Packing group

Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Not applicable

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks : Not relevant

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water contaminating class : WGK 1 slightly water endangering  
(Germany)

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this product.

## SECTION 16: Other information

### Full text of H-Statements

H302 : Harmful if swallowed.  
H315 : Causes skin irritation.  
H319 : Causes serious eye irritation.  
H332 : Harmful if inhaled.  
H335 : May cause respiratory irritation.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Eye Irrit. : Eye irritation  
Skin Irrit. : Skin irritation  
STOT SE : Specific target organ toxicity - single exposure

(Q)SAR - (Quantitative) Structure Activity Relationship; ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; DIN - Standard of the German Institute for Standardization; ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic



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substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TRGS - Technical Rule for Hazardous Substances; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice

### **Further information**

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.

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