according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Basfoliar Top-N SL



Version Revision Date: SDS Number: Date of last issue: 31.01.2025 1.3 18.08.2025 M0205 Date of first issue: 18.08.2025

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

1.1 Product identifier

Trade name : Basfoliar Top-N SL

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

Use of the Sub- : Fertiliser

stance/Mixture

1.3 Details of the supplier of the safety data sheet

Company : COMPO EXPERT GmbH

Krögerweg 10 D-48155 Münster

Telephone : +49 (0) 251 29 79 81 – 000

Telefax : +49 (0) 251 29 79 81 - 111

E-mail address of person responsible for the SDS

: productsafety@compo-expert.com

1.4 Emergency telephone number

GBK GmbH - Global Regulatory Compliance - 24h

Telephone:+49 (0) 6132 - 84463

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

Additional Labelling

EUH210 Safety data sheet available on request.

EUH208 Contains formaldehyde. May produce an allergic reaction.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Basfoliar Top-N SL



Version Revision Date: SDS Number: Date of last issue: 31.01.2025
1.3 18.08.2025 M0205 Date of first issue: 18.08.2025

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Inorganic fertiliser

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
formaldehyde	50-00-0 200-001-8 605-001-00-5	Acute Tox. 4; H302 Acute Tox. 1; H330 Acute Tox. 3; H311 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Muta. 2; H341 Carc. 1B; H350 specific concentration limit Skin Corr. 1B; H314 >= 25 % Skin Irrit. 2; H315 5 - < 25 % Eye Irrit. 2; H319 5 - < 25 % STOT SE 3; H335 >= 5 % Acute toxicity estimate Acute oral toxicity:	> 0,01 - < 0,1
		500 mg/kg	

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Basfoliar Top-N SL



Version Revision Date: SDS Number: Date of last issue: 31.01.2025 1.3 18.08.2025 M0205 Date of first issue: 18.08.2025

Acute inhalation toxicity (gas): 100 ppm
Acute dermal toxicity:
300 mg/kg

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

If inhaled : If breathed in, move person into fresh air.

In the case of inhalation of aerosol/mist consult a physician if

necessary.

In case of skin contact : Wash off immediately with soap and plenty of water.

In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes

and consult a physician.

If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water.

Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water

Carbon dioxide (CO2)

Dry powder Sand

Unsuitable extinguishing

media

High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-

fighting

: Do not allow run-off from fire fighting to enter drains or water

courses.

Thermal decomposition can lead to release of irritating gases

and vapours.

Hazardous combustion prod-

ucts

Nitrogen oxides (NOx)

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Basfoliar Top-N SL



Version Revision Date: SDS Number: Date of last issue: 31.01.2025 1.3 18.08.2025 M0205 Date of first issue: 18.08.2025

5.3 Advice for firefighters

Special protective equipment:

for firefighters

Wear self-contained breathing apparatus for firefighting if nec-

essary.

Further information : Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

Avoid contact with skin, eyes and clothing.

Avoid formation of aerosol.

Do not breathe vapours or spray mist. For personal protection see section 8. For disposal considerations see section 13.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.

Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Wear personal protective equipment.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

Dispose of rinse water in accordance with local and national

regulations.

Advice on protection against : Use only in well-ventilated areas.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Basfoliar Top-N SL



Version Revision Date: SDS Number: Date of last issue: 31.01.2025
1.3 18.08.2025 M0205 Date of first issue: 18.08.2025

fire and explosion

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Wash

hands before eating, drinking, or smoking. Wash hands before

breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

: Keep away from direct sunlight. Store in a receptacle

equipped with a vent.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.

Recommended storage tem: :

perature

5 - 25 °C

Further information on stor-

age stability

Protect from frost, heat and sunlight.

7.3 Specific end use(s)

Specific use(s) : Not relevant

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis		
formaldehyde	50-00-0	TWA	0,3 ppm	2004/37/EC		
			0,37 mg/m3			
	Further information: Dermal sensitisation, Carcinogens or mutagens					
		STEL	0,6 ppm	2004/37/EC		
			0,74 mg/m3			
	Further information: Dermal sensitisation, Carcinogens or mutagens					
		OELV - 8 hrs	0,3 ppm	IE OEL		
		(TWA)	0,37 mg/m3			
	Further information: Chemical agents which following exposure may cause					
	sensitisation of the respiratory tract and lead to asthma, rhinitis or extrinsic					
	allergic alveolitis, Carc 1B - Substances presumed to have carcinogenic po-					
	tential for humans					
		OELV - 15 min	0,6 ppm	IE OEL		
		(STEL)	0,738 mg/m3			
	Further information: Chemical agents which following exposure may cause					
	sensitisation of the respiratory tract and lead to asthma, rhinitis or extrinsic					
	allergic alveolitis, Carc 1B - Substances presumed to have carcinogenic po-					
	tential for humans					

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Basfoliar Top-N SL



Version Revision Date: SDS Number: Date of last issue: 31.01.2025 1.3 18.08.2025 M0205 Date of first issue: 18.08.2025

8.2 Exposure controls

Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166

Hand protection

Material : Rubber gloves

Guideline : Equipment should conform to EN 374

Remarks : As the product is a mixture of several substances, the dura-

bility of the glove materials cannot be calculated in advance

and has to be tested before use.

Skin and body protection : Long sleeved clothing

Respiratory protection : Do not breathe vapours or spray mist.

In the case of dust or aerosol formation use respirator with an

approved filter.

Equipment should conform to EN 14387

Filter type : Combined particulates, inorganic and acidic gas/vapour, am-

monia/amines and organic vapour type (ABEK-P)

Protective measures : Handle in accordance with good industrial hygiene and safety

practice.

Wash contaminated clothing before re-use.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : liquid

Colour : colourless

Odour : ammoniacal

Melting point/range : < -15 °C

Boiling point/boiling range : > 100 °C

Flammability : Will not burn

Upper explosion limit / Upper

flammability limit

No data available

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Basfoliar Top-N SL



Version Revision Date: SDS Number: Date of last issue: 31.01.2025
1.3 18.08.2025 M0205 Date of first issue: 18.08.2025

Lower explosion limit / Lower :

flammability limit

No data available

Flash point : not determined

Auto-ignition temperature : does not ignite

pH : 9,0 - 11,0 (20 °C)

Solubility(ies)

Water solubility : soluble

Partition coefficient: n-

octanol/water

: Not applicable

Density : ca. 1,24 g/cm3 (20 °C)

9.2 Other information

Explosives : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Self-ignition : not auto-flammable

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Basfoliar Top-N SL



Version Revision Date: SDS Number: Date of last issue: 31.01.2025
1.3 18.08.2025 M0205 Date of first issue: 18.08.2025

Conditions to avoid : Strong sunlight for prolonged periods.

10.5 Incompatible materials

Materials to avoid : Incompatible with oxidizing agents.

10.6 Hazardous decomposition products

Nitrogen oxides (NOx)

ammonia

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Based on available data, the classification criteria are not met.

Components:

formaldehyde:

Acute oral toxicity : Acute toxicity estimate: 500 mg/kg

Method: Acute toxicity estimate according to Regulation (EC)

No. 1272/2008

Acute inhalation toxicity : Acute toxicity estimate: 100 ppm

Test atmosphere: gas

Method: Acute toxicity estimate according to Regulation (EC)

No. 1272/2008

Acute dermal toxicity : LD50: > 200 - 1.000 mg/kg

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Components:

formaldehyde:

Assessment : Causes severe burns.

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Components:

formaldehyde:

Assessment : Risk of serious damage to eyes.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Basfoliar Top-N SL



Version Revision Date: SDS Number: Date of last issue: 31.01.2025
1.3 18.08.2025 M0205 Date of first issue: 18.08.2025

Respiratory or skin sensitisation

Skin sensitisation

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Components:

formaldehyde:

Assessment : May cause sensitisation by skin contact.

Assessment : Does not cause respiratory sensitisation.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Components:

formaldehyde:

Germ cell mutagenicity- As-

Suspected of inducing heritable mutations in the germ cells of

sessment

humans.

Carcinogenicity

Based on available data, the classification criteria are not met.

Components:

formaldehyde:

Carcinogenicity - Assess-

: Presumed to have carcinogenic potential for humans

ment

Reproductive toxicity

Based on available data, the classification criteria are not met.

Components:

formaldehyde:

Reproductive toxicity - As-

No toxicity to reproduction

sessment

No effects on or via lactation

STOT - single exposure

Based on available data, the classification criteria are not met.

Components:

formaldehyde:

Assessment : The substance or mixture is not classified as specific target

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Basfoliar Top-N SL



Version Revision Date: SDS Number: Date of last issue: 31.01.2025
1.3 18.08.2025 M0205 Date of first issue: 18.08.2025

organ toxicant, single exposure.

STOT - repeated exposure

Based on available data, the classification criteria are not met.

Components:

formaldehyde:

Assessment : The substance or mixture is not classified as specific target

organ toxicant, repeated exposure.

Aspiration toxicity

Based on available data, the classification criteria are not met.

Components:

formaldehyde:

No aspiration toxicity classification

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components consid-

ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

SECTION 12: Ecological information

12.1 Toxicity

Components:

formaldehyde:

Toxicity to fish : (Pimephales sp. (Pimephales)): 24,1 mg/l

Exposure time: 96 h

Method: Fish, Acute Toxicity Test

Toxicity to daphnia and other :

aquatic invertebrates

(Daphnia pulex (Water flea)): 5,8 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae/aquatic

plants

(Desmodesmus subspicatus (green algae)): 4,89 mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Basfoliar Top-N SL



Version Revision Date: SDS Number: Date of last issue: 31.01.2025 1.3 18.08.2025 M0205 Date of first issue: 18.08.2025

Toxicity to fish (Chronic tox-

icity)

NOEC: 48 mg/l

Exposure time: 28 d

Species: Oryzias latipes (Japanese medaka)

Toxicity to daphnia and other : aquatic invertebrates (Chron-

ic toxicity)

NOEC: 6,4 mg/l Exposure time: 21 d

Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Components:

formaldehyde:

Partition coefficient: n-

octanol/water

log Pow: 0,35

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered

to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher.

Components:

formaldehyde:

Assessment : Substance is not persistent, bioaccumulative, and toxic (PBT).

Substance is not very persistent and very bioaccumulative

(vPvB).

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components consid-

ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

12.7 Other adverse effects

No data available

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Basfoliar Top-N SL



Version Revision Date: SDS Number: Date of last issue: 31.01.2025 1.3 18.08.2025 M0205 Date of first issue: 18.08.2025

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.

Empty containers should be taken to an approved waste han-

dling site for recycling or disposal.

SECTION 14: Transport information

14.1 UN number or ID number

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA : Not regulated as a dangerous good

14.2 UN proper shipping name

ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA : Not regulated as a dangerous good

14.3 Transport hazard class(es)

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA : Not regulated as a dangerous good

14.4 Packing group

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA (Cargo) : Not regulated as a dangerous good

IATA (Passenger) : Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Basfoliar Top-N SL



Date of last issue: 31.01.2025 Version **Revision Date:** SDS Number: 1.3 18.08.2025 M0205 Date of first issue: 18.08.2025

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

IMSBC Code Regulatory basis

Remarks Product is not allowed to be transported in bulk.

SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on

the market and use of certain dangerous substances,

mixtures and articles (Annex XVII)

REACH - Candidate List of Substances of Very High

Concern for Authorisation (Article 59).

Regulation (EC) No 1005/2009 on substances that de-

plete the ozone layer

Regulation (EU) 2019/1021 on persistent organic pollu-

tants (recast)

REACH - List of substances subject to authorisation

(Annex XIV)

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving

dangerous substances.

Not applicable

Not applicable

: Not applicable

Not applicable

Not applicable

Not applicable

15.2 Chemical safety assessment

Not relevant

SECTION 16: Other information

Full text of H-Statements

H302 Harmful if swallowed. H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

May cause an allergic skin reaction. H317 H318 Causes serious eye damage.

H330 Fatal if inhaled.

H341 Suspected of causing genetic defects.

H350 May cause cancer.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Basfoliar Top-N SL



Version Revision Date: SDS Number: Date of last issue: 31.01.2025 1.3 18.08.2025 M0205 Date of first issue: 18.08.2025

Full text of other abbreviations

Acute Tox. : Acute toxicity
Carc. : Carcinogenicity
Eye Dam. : Serious eye damage
Muta. : Germ cell mutagenicity

Skin Corr. : Skin corrosion
Skin Sens. : Skin sensitisation

2004/37/EC : Europe. Directive 2004/37/EC on the protection of workers

from the risks related to exposure to carcinogens or mutagens

at work

IE OEL : Ireland. List of Chemical Agents and Carcinogens with Occu-

pational Exposure Limit Values - Code of Practice, Schedule 1

and 2

2004/37/EC / STEL : Short term exposure limit 2004/37/EC / TWA : Long term exposure limit

IE OEL / OELV - 8 hrs (TWA) : Occupational exposure limit value (8-hour reference period)
IE OEL / OELV - 15 min : Occupational exposure limit value (15-minute reference peri-

(STEL) od)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); 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; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; 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; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; 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; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; 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; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI -Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Basfoliar Top-N SL



Version Revision Date: SDS Number: Date of last issue: 31.01.2025 1.3 18.08.2025 M0205 Date of first issue: 18.08.2025

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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