



## Safety Data Sheet

section

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

#### 1.1 Product identifier

Trade name/designation : ProtoPhyt Sweet.  
Article No (user) : PHY0140299.  
UFI Number : 97,GA80-00FA-R00V-CN5A

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

Relevant identified uses : Premixture of additives for animal feed/Refer to the technical datasheet.  
Uses advised against : Refer to the technical datasheet.

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

Supplier : **Name:** Phytosynthèse SASU  
**Street:** 57 Avenue Jean Jaurès  
**Postal code/City:** 63200 MOZAC  
**Country:** France  
**Telephone:** 04 73 33 15 00  
**Telefax:** 04 73 33 45 10  
**Website:** [www.phytosynthese.com](http://www.phytosynthese.com)  
**E-mail:** [Email@phytosynthese.com](mailto:Email@phytosynthese.com)

#### 1.4 Emergency Telephone Number

##### United Kingdom:

In England and Wales: dial 111 ( NHS 111), In Scotland: dial 111 (NHS 24), In Northern Ireland: Contact your local GP or pharmacist during normal hours. During GP Out-of-Hours ([www.gpoutofhours.hscni.net/](http://www.gpoutofhours.hscni.net/)): Belfast HSC Trust, (North & West) 028 9074 4447, (South & East) 028 9079 6220 South Eastern HSC Trust, (North Down & Ards) 028 9182 2344, (Lisburn & Downpatrick) 028 9260 2204, Dalriada Urgent Care (Northern Trust area) 028 2566 3500, Southern HSC Trust 028 3839 9201, Western Urgent Care 028 7186 5195.

## section 2 Hazards identification

### 2.1 Classification of the substance or mixture

#### Hazards identification:

H315	Skin Irrit. 2	Causes skin irritation.
H317	Skin Sens. 1A	May cause an allergic skin reaction.
H319	Eye Irrit. 2	Causes serious eye irritation
H412	Aquatic Chronic 3	Harmful to aquatic life with long lasting effects

### 2.2 Label elements

#### Labelling

#### Hazard pictograms



Warning

#### Signal word

#### Hazard Statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation
H412	Harmful to aquatic life with long lasting effects

#### Precautionary Statements - Prevention

P264	Wash hands thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection.

#### Precautionary Statements - Response

P321	Specific treatment (first aid measures in chapter 4).
P332+P313	If skin irritation occurs: Get medical advice/attention.

#### Contains

cinnamaldehyde, Eugenia caryophyllus oil

### 2.3 Other hazards

#### Results of PBT and vPvB assessment

The product does not contain substances identified as substances which possess PBT and/or vPvB properties in a concentration equal to or greater than 0.1% (m/m).

Properties disrupting the endocrine system (environment).

The product does not contain substances identified as substances which possess endocrine disrupting properties (environment) in a concentration equal to or greater than 0.1% (m/m).

Endocrine disrupting properties (human health).

## section 3 Composition/information on ingredients

### 3.2 Mixtures

In accordance with the product knowledge, no nanomaterials have been identified.

The mixture does not contain any substances classified as Substances of Very High Concern (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>.

Substance	Concentration (%)	Specific concentration limits	Classification
<b>calcium carbonate [1]</b>			
CAS N° 471-34-1 EC N° 207-439-9 IDX N°	10.0% <C< 25.0%		
<b>cinnamaldehyde</b>			
CAS N° 104-55-2 EC N° 203-213-9 IDX N°	5.0% <C< 10.0%		H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation
<b>Silicon dioxide [1]</b>			
CAS N° 112926-00-8 EC N° 231-545-4 IDX N°	1.0% <C≤ 2.0%		H315 Causes skin irritation. H319 Causes serious eye irritation H335 May cause respiratory irritation
<b>Oil of cassia</b>			
CAS N° 8007-80-5 EC N° IDX N°	C< 1.0%		H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction.
<b>Oils, lemon</b>			
CAS N° 8008-56-8 EC N° IDX N°	C< 1.0%		H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
<b>Eugenia caryophyllus oil</b>			
CAS N° 8000-34-8 EC N° IDX N°	C< 1.0%		H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation H400 Very toxic to aquatic life.
<b>Oils, garlic</b>			
CAS N° 8000-78-0 EC N° IDX N°	C< 1.0%		H302 Harmful if swallowed H315 Causes skin irritation. H317 May cause an allergic skin reaction.

[1] Substance for which maximum workplace exposure limits are available.

### 3.3 Remark

Text phrases and H- EUH-: see section 16.

## 4 First aid measures

### 4.1 Description of first aid measures

#### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Remove victim out of the danger area.  
Keep affected person warm, still and covered.  
Do not leave affected person unattended.

**Following inhalation:**

Remove person to fresh air and keep comfortable for breathing.

**Following skin contact:**

Take off contaminated clothing.  
In case of skin irritation, consult a physician.  
Remove contaminated, saturated clothing immediately.  
After contact with skin, wash immediately with plenty of water and soap.  
In case of skin reactions, consult a physician.

**Following eye contact:**

In case of eye irritation consult an ophthalmologist.  
Rinse immediately carefully and thoroughly with eye-bath or water.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Protect unharmed eye.

**Following ingestion:**

Never give anything by mouth to an unconscious person or a person with cramps.  
IF SWALLOWED: Rinse mouth.  
Do NOT induce vomiting.

**Self-protection of the first aider:**

First aider: Pay attention to self-protection!

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

**Notes for the doctor:**

Treat symptomatically.

# section 5 Firefighting measures

## 5.1 Extinguishing media

**Suitable extinguishing media:**

Foam.  
Extinguishing powder.  
Carbon dioxide (CO<sub>2</sub>).  
Sand.

**Unsuitable extinguishing media:**

Strong water jet.

## 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

## 5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

## 5.4 Additional information

Do not inhale vapors and fumes.  
Co-ordinate fire-fighting measures to the fire surroundings.  
Move undamaged containers from immediate hazard area if it can be done safely.

Use caution when applying carbon dioxide in confined spaces. carbon dioxide can displace oxygen.  
Use water spray jet to protect personnel and to cool endangered containers.  
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## section 6 Accidental release measures

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

Use personal protection equipment.  
Remove persons to safety.  
Use appropriate respiratory protection.  
Provide adequate ventilation.

### 6.2 Environmental precautions

Ensure that waste is collected and contained.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.  
Avoid release to the environment.  
Cover drains.  
Ensure all waste water is collected and treated via a waste water treatment plant.  
Do not allow to enter into soil/subsoil.  
Do not allow to enter into surface water or drains.  
Retain contaminated washing water and dispose it.

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

Treat the recovered material as prescribed in the section on waste disposal.  
Collect in closed and suitable containers for disposal.  
Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4 Reference to other sections

Safe handling: see section 7.  
Disposal: see section 13.  
Personal protection equipment: see section 8.

### 6.5 Additional information

Not available

## section 7 Handling and Storage

### 7.1 Precautions for safe handling

#### PROTECTIVE MEASURES:

Avoid contact with skin, eyes and clothes.  
Wear personal protective clothing (see section 8).  
Sewers and ducts must be protected against the entry of the product.  
Do not put any product-impregnated cleaning rags into your trouser pockets.  
Provide for retaining containers, eg. floor pan without outflow.  
Use only in well-ventilated areas.  
If local exhaust ventilation is not possible or not enough, the entire work area must be ventilated by technical means.  
Provide adequate ventilation as well as local exhaustion at critical locations.  
Dust should be exhausted directly at the point of origin.  
Avoid breathing dust.

**Advices on general occupational hygiene:**

Wash hands before breaks and after work.  
Wash contaminated clothing before reuse.  
Street clothing should be stored separately from work clothing.  
Remove contaminated, saturated clothing immediately.  
Work in well ventilated zones or use proper respiratory protection.

**In the immediate working surroundings there must be:**

Provide eye shower and label its location conspicuously.

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

Keep container tightly closed in a dry, cool, and well-ventilated place.  
Keep container in upright position in order to prevent leakage.

**Requirements for storage rooms and vessels:**

Use isolated drainage to prevent discharge to soil.  
Ensure adequate ventilation of the storage area.

**Advice on joint storage:**

Keep away from food, drink and animal feedingstuffs.

**7.3 Specific end uses**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

**8 Exposure controls/personal protection**

**8.1 Control parameters**

**Occupational exposure limits:**

Substance	Value	Unit	Type
Silicon dioxide CAS: 112926-00-8 (GB)	6	mg/m <sup>3</sup>	Exposure limit (8 hours)
calcium carbonate CAS: 471-34-1 (GB)	10	mg/m <sup>3</sup>	Exposure limit (8 hours)

**Biological limit values:**

Not available

**Exposure limits at intended use:**

Not available

**Remark:**

Not available

**8.2 Exposure controls**

**Appropriate engineering controls:**

Technical measures and the application of suitable work processes have priority over personal protection equipment.  
Provide adequate ventilation as well as local exhaust at critical locations.

**Personal protection equipment:**



Eye/face protection

: **Suitable eye protection:**

Wear eye protection equipment.

**Recommended eye protection articles:**

Eye glasses.

**Skin protection**

: **Hand protection:**  
**Suitable gloves type:**  
 Wear protective gloves.  
**Suitable material:**  
 NBR (nitrile rubber).  
**Additional hand protection measures:**  
 Do not wear gloves near machines and rotating tools.  
 Use gloves only once.  
**Remark:**  
 When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.  
 The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.  
 For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.  
 Breakthrough times and swelling properties of the material must be taken into consideration.

**Respiratory protection**

: **Respiratory protection necessary at:**  
 If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.  
**Suitable respiratory protection apparatus:**  
 Wear respiratory protection.  
**Remark:**  
 The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.  
 Observe the wear time limits as specified by the manufacturer.  
 Use only respiratory protection equipment with CE-symbol including four digit test number.

**Environmental exposure controls:**

Not available

**Consumer exposure controls:**

Not available

**8.3 Additional information**

Not available

**9 Physical and chemical Properties**

**9.1 Information on basic physical and chemical properties**

**Physical state** : Powder  
**Colour** : Beige to yellow to orange  
**Odour** : Spicy  
**Odour threshold** : Not available  
**pH** : Not available  
**Melting point/freezing point** : Not available  
**Initial boiling point and boiling range** : Not available  
**Flash point** : Not available



Evaporation rate	:	Not available
Flammability	:	Not available
Upper/lower flammability or explosive limits	:	Not available
Vapour pressure	:	Not available
Vapour density	:	Not available
Relative density	:	Not available
Solubility(ies)	:	Not Soluble in water
Partition coefficient: n-octanol/water (Log KOC)	:	Not available
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
Viscosity	:	Not available
Explosive properties	:	Not available
Oxidising properties	:	Not available
Solubility in other Solvents	:	Not available
Log Kow	:	Not available

## 9.2 Other safety information

Not available

# 10 Stability and Reactivity

## 10.1 Reactivity

No data available.

## 10.2 Chemical stability

The product is stable when stored at normal ambient temperatures.

## 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

## 10.4 Conditions to avoid

No data available.

## 10.5 Incompatible materials

No data available.

## 10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

## 10.7 Additional information

Not available



section **11** Toxicological information

### 11.1 Acute oral toxicity

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

### 11.2 Acute dermal toxicity

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

### 11.3 Acute inhalation toxicity

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

### 11.4 Skin corrosion/irritation

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

### 11.5 Serious eye damage/irritation

The product is classified Eye Irrit. 2 according to the referenced regulation.

Causes serious eye irritation.

**Data for mixture:**

Not available

**Substances:**

Not available

### 11.6 Skin sensitisation

The product is classified Skin Sens. 1A according to the referenced regulation.

May cause an allergic skin reaction.

**Data for mixture:**

Not available

**Substances:**

Not available

### 11.7 Specific target organ toxicity (repeated exposure)

The product is not classified.

**Data for mixture:**



Not available

**Substances:**

Not available

#### 11.8 Specific target organ toxicity (single exposure)

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

#### 11.9 Carcinogenicity

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

#### 11.10 Reproductive toxicity

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

#### 11.11 Germ cell mutagenicity

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

#### 11.12 Sensitisation to the respiratory tract

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

#### 11.13 Additional information

Not available

#### 11.14 Information on other hazards

Endocrine disrupting properties: The product does not contain substances identified as substances which possess endocrine disrupting properties (human health) in a concentration equal to or greater than 0.1% (m/m).

## section 12 Ecological information

### 12.1 Toxicity

Harmful to aquatic life with long lasting effects.

**Data for mixture:**

Not available

**Substances:**

Not available

### 12.2 Persistence and degradability

The product has not been tested.

**Data for mixture:**

Not available

**Substances:**

Not available

### 12.3 Bioaccumulative potential

The product has not been tested.

**Data for mixture:**

Not available

**Substances:**

Not available

### 12.4 Mobility in soil

The product has not been tested.

**Data for mixture:**

Not available

**Substances:**

Not available

### 12.5 Results of PBT and vPvB assessment

The product does not contain substances identified as substances which possess PBT and/or vPvB properties in a concentration equal to or greater than 0.1% (m/m).

### 12.6 Endocrine disrupting properties

The product does not contain substances identified as substances which possess endocrine disrupting properties (environment) in a concentration equal to or greater than 0.1% (m/m).

### 12.7 Other adverse effects

Not available

### 12.8 Additional ecotoxicological information

Not available

## section 13 Disposal considerations

### 13.1 Waste treatment methods

#### **Product/Packaging disposal:**

#### **Waste codes/waste designations according to EWC/AVV:**

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

#### **Waste treatment options:**

#### **Appropriate disposal/Product:**

Waste requiring special supervision.

Dispose of waste according to applicable legislation.

Delivery to an approved waste disposal company.

#### **Appropriate disposal/Package:**

Non-contaminated packages must be recycled or disposed of.

Contaminated packing must be completely emptied and can be reused after proper cleaning.

Packing which cannot be properly cleaned must be disposed of.

Handle contaminated packages in the same way as the substance itself.

Dispose of waste according to applicable legislation.

#### **Remark:**

For recycling, contact manufacturer.

Collect the waste separately.

Consult the appropriate authorities about waste disposal.

Do not mix with other wastes.

The waste is to be kept separate from other types of waste until its disposal.

Concerning the waste it has to be checked, whether a transport authorisation is required.

### 13.2 Additional information

Not available

## section 14 Transport information

### 14.1 UN number

Not available

### 14.2 UN proper shipping name

Not available

### 14.3 Transport hazard class(es)

Not available

### 14.4 Packing group

Not available

### 14.5 Environmental hazards

Not available

#### 14.6 Special precautions for user

Not available

#### 14.7 Bulk shipping according to IMO instruments

Not available

#### 14.8 Additional information

Not available

## section 15 Regulatory information

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

This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006.

This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.

##### EU legislation:

##### Directive n°648/2004 (Allergenic fragrance ingredients N°1223/2009):

Substance	CAS	EC
cinnamaldehyde	104-55-2	203-213-9

##### National regulations:

##### U.S. - Vermont - RTK:

Substance	CAS	EC
Silicon dioxide	112926-00-8	231-545-4

#### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

For this substance/mixture a chemical safety assessment has been elaborated.

For this mixture, the relevant data of the Substances' Chemical safety assessment are integrated in the sections of the SDS.

#### 15.3 Additional information

Not available

## section 16 Other information

#### 16.1 Indication of changes

Not applicable (first edition of the MSDS).

#### 16.2 Abbreviations and acronyms

CAS: Chemical Abstract Service Number.

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods Code.

DPD Dangerous Preparation Directive.

UN number: United Nations number.

No EC: European Commission Number.

ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways.

ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail.

CLP: Classification, labeling and packaging.

VPvB: very persistent and very bioaccumulative substances.

### 16.3 Key literature references and sources for data

No data available.

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008. Complies with ATP 18, Regulation (EU) n°2022/692.

### 16.5 Relevant R-, H- and EUH-phrases (Number and full text)

H302	Acute Tox. 4 ORAL	Harmful if swallowed
H304	Asp. Tox. 1	May be fatal if swallowed and enters airways.
H312	Acute Tox. 4 DERMAL	Harmful in contact with skin.
H315	Skin Irrit. 2	Causes skin irritation.
H317	Skin Sens. 1A	May cause an allergic skin reaction.
H319	Eye Irrit. 2	Causes serious eye irritation
H335	STOT SE 3 H335	May cause respiratory irritation
H400	Aquatic Acute 1	Very toxic to aquatic life.
H410	Aquatic Chronic 1	Very toxic to aquatic life with long lasting effects.
H412	Aquatic Chronic 3	Harmful to aquatic life with long lasting effects

### 16.6 Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

### 16.7 Additional information

Creation date: 26/12/2022

Version date: 26/12/2022

Printing date: 05/01/2023

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.