

# Safety Data Sheet

## Plantasil® Micro

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Version: 3.1

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(30537327/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

## Plantasil® Micro

#### Recommended use of the chemical and restriction on use

Recommended use\*: cosmetic ingredient

Recommended use\*: Chemical

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

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

Company:

BASF CORPORATION

100 Park Avenue

Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

#### Emergency telephone number

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

#### Other means of identification

Synonyms: Not Available.

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### 2. Hazards Identification

#### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

#### Classification of the product

Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Aquatic Acute	3	Hazardous to the aquatic environment - acute

#### Label elements

Pictogram:

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Signal Word:  
Danger

Hazard Statement:

H318 Causes serious eye damage.  
H315 Causes skin irritation.  
H402 Harmful to aquatic life.

Precautionary Statements (Prevention):

P280 Wear protective gloves and eye/face protection.  
P273 Avoid release to the environment.  
P264 Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P303 + P362 IF ON SKIN (or hair): Wash with plenty of soap and water.  
P332 + P313 If skin irritation occurs: Get medical advice/attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

### Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

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## 3. Composition / Information on Ingredients

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
77-92-9	>= 1.0 - < 3.0%	Citric acid
110615-47-9	>= 7.0 - < 10.0%	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides
68515-73-1	>= 10.0 - < 15.0%	D-Glucopyranose, oligomers, decyl octyl glycosides
629-82-3	>= 20.0 - < 25.0%	Octane, 1,1'-oxybis-
65-85-0	>= 0.3 - <= 1.0%	Benzoic acid

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## 4. First-Aid Measures

### Description of first aid measures

**General advice:**

If adverse health effects develop seek medical attention.

**If inhaled:**

Fresh air.

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### **If on skin:**

After contact with skin, wash immediately with plenty of water and soap. If adverse health effects develop seek medical attention.

### **If in eyes:**

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Seek medical attention if necessary.

### **If swallowed:**

Do not induce vomiting. If vomiting occurs naturally, keep airway clear. Rinse mouth and then drink 200-300 ml of water. Seek medical attention.

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

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., (Further) symptoms and / or effects are not known so far  
Hazards: No hazard is expected under intended use and appropriate handling.

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

#### Note to physician

Treatment: Treat symptomatically.

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## 5. Fire-Fighting Measures

### **Extinguishing media**

Suitable extinguishing media:  
water spray, carbon dioxide, dry powder, foam

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

Hazards during fire-fighting:  
harmful vapours  
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

### **Advice for fire-fighters**

Protective equipment for fire-fighting:  
Wear self-contained breathing apparatus and chemical-protective clothing.

### **Further information:**

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## 6. Accidental release measures

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

Use personal protective clothing.

### **Environmental precautions**

Do not discharge into drains/surface waters/groundwater.

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

For small amounts: Pick up with suitable absorbent material.

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For large amounts: Dike spillage. Pump off product.  
Dispose of absorbed material in accordance with regulations.

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## 7. Handling and Storage

### Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame.

### Conditions for safe storage, including any incompatibilities

No applicable information available.

Suitable materials for containers: High density polyethylene (HDPE)

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Below temperature limit the product properties will change. The property change is reversible by stirring and heating.

Storage stability:

Storage temperature: 15 - 40 °C

Protect from temperatures below: 15 °C

Characteristics of the product are reversibly changed when falling below the limit temperature.

Protect from temperatures above: 40 °C

Properties of the product change irreversibly on exceeding the limit temperature.

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## 8. Exposure Controls/Personal Protection

No occupational exposure limits known.

### Advice on system design:

No special precautions necessary.

### Personal protective equipment

#### Respiratory protection:

When processing in open systems with aerosol formation wear suitable respiratory protection to avoid inhalation of aerosol particles. Not applicable with adequate ventilation.

#### Hand protection:

Chemical resistant protective gloves

#### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

#### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

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### General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

Form:	liquid	
Odour:	characteristic	
Odour threshold:	not applicable	
Colour:	colourless to yellow	
pH value:	3.8 - 4.5 ( 20 °C)	(ISO 4316)
Sublimation point:	No applicable information available.	
Flash point:	> 101 °C	
Flammability:	Aqueous preparation not flammable	
Flammability of Aerosol Products:	not applicable, the product does not form flammable aerosoles	
Lower explosion limit:	For liquids not relevant for classification and labelling.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	not determined	
Vapour pressure:	not determined	
Density:	0.980 - 0.995 g/cm <sup>3</sup> ( 20 °C)	(ISO 2811-3)
Vapour density:	not applicable	
Partitioning coefficient n-octanol/water (log Pow):	not determined	
Self-ignition temperature:	not applicable	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	<= 300 mPa*s ( 20 °C)	(DIN EN ISO 2555)
Viscosity, kinematic:	not determined	
Solubility in water:	partly soluble	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	partly soluble solvent(s): distilled water,	
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section. No further information available.	

## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties:  
not fire-propagating

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### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions

None if used for intended purpose.

### Conditions to avoid

Avoid heat.

### Incompatible materials

No substances known that should be avoided.

### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

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## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

#### Primary routes of entry

Dermal contact.

Eyes

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: May be harmful if swallowed in large quantities.

#### Oral

Type of value: LD50

Value: > 2,000 mg/kg

#### Inhalation

No applicable information available.

#### Dermal

No applicable information available.

#### Assessment other acute effects

Assessment of STOT single:

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

#### Irritation / corrosion

Assessment of irritating effects: Causes serious eye irritation. May cause slight irritation.

May cause severe damage to the eyes.

Skin contact causes irritation.

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### Eye

*Information on: Citric acid*  
*Species: rabbit*  
*Result: Risk of serious damage to eyes.*

*Species: rabbit*  
*Result: Irritant.*  
*Method: OECD Guideline 405*

*Information on: D-Glucopyranose, oligomers, decyl octyl glycosides*  
*Species: rabbit*  
*Result: Risk of serious damage to eyes.*  
*Method: OECD Guideline 405*  
*Data of a comparable product*

*Information on: Benzoic acid*  
*Species: rabbit*  
*Result: Irritant.*  
*Method: Directive 84/449/EEC, B.5*

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### Sensitization

Assessment of sensitization: There is no evidence of a skin-sensitizing potential.

### Aspiration Hazard

No aspiration hazard expected.

## **Chronic Toxicity/Effects**

### Repeated dose toxicity

Assessment of repeated dose toxicity: The information available on the product provides no indication of toxicity on target organs after repeated exposure.

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### Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect.

### Carcinogenicity

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect.

### Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect.

### Teratogenicity

Assessment of teratogenicity: No data was available concerning toxicity to development.

### Other Information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

## **Symptoms of Exposure**

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The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., (Further) symptoms and / or effects are not known so far

## 12. Ecological Information

### Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Toxicity to fish

LC50 > 10 - 100 mg/l

Aquatic toxicity

*Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides*

*Assessment of aquatic toxicity:*

*Acutely toxic for aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.*

*Toxic to aquatic organisms based on long-term (chronic) toxicity study data.*

*Information on: D-Glucopyranose, oligomers, decyl octyl glycosides*

*Assessment of aquatic toxicity:*

*Acutely harmful for aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.*

*Toxic to aquatic organisms based on long-term (chronic) toxicity study data.*

*Information on: Octane, 1,1'-oxybis-*  
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### Microorganisms/Effect on activated sludge

Toxicity to microorganisms

EC0: > 100 mg/l

### Persistence and degradability

Assessment biodegradation and elimination (H2O)

Readily biodegradable (according to OECD criteria).

### Bioaccumulative potential

Assessment bioaccumulation potential

No data available.

### Mobility in soil

Assessment transport between environmental compartments

not applicable

## 13. Disposal considerations

**Waste disposal of substance:**



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Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

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### 14. Transport Information

#### Land transport

USDOT

Not classified as a dangerous good under transport regulations

#### Sea transport

IMDG

Not classified as a dangerous good under transport regulations

#### Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

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### 15. Regulatory Information

#### Federal Regulations

##### Registration status:

Chemical TSCA, US released / listed

Cosmetic TSCA, US released / exempt

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

##### NFPA Hazard codes:

Health: 3 Fire: 1 Reactivity: 0 Special:

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### 16. Other Information

#### SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2019/01/31

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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