

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006

## TerraPlus® Solub K 4-0-26



Version: 1.6  
Date of last issue: 23.12.2022  
Date of first issue: 30.08.2018

Revision Date:  
07.04.2023

---

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

#### 1.1 Product identifier

Trade name : TerraPlus® Solub K 4-0-26

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

Use of the Substance/Mixture : Fertilizer

#### 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 : info@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 according to Regulation (EC) No. 1272/2008.

#### 2.2 Label elements

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

Hazard statements : Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Supplemental Hazard Statements : EUH210 Safety data sheet available on request.

#### 2.3 Other hazards

None known.

---

### SECTION 3: Composition/information on ingredients

## TerraPlus® Solub K 4-0-26



Version: 1.6  
Date of last issue: 23.12.2022  
Date of first issue: 30.08.2018

Revision Date:  
07.04.2023

---

### 3.2 Mixtures

Chemical nature : Organically mineral fertilizer  
Contains  
hydrolyzed protein  
trace elements

#### Hazardous components

---

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : If symptoms persist, seek medical advice.

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

In case of skin contact : Rinse with water.

In case of eye contact : Immediately flush eye(s) with plenty of water.

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

### 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

---

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : The product is not flammable.  
Use extinguishing measures that are appropriate to local  
circumstances and the surrounding environment.

Unsuitable extinguishing media : none

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

Specific hazards during firefighting : Heating or fire can release toxic gas.  
Sulphur oxides

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Respiratory protection

Further information : Collect contaminated fire extinguishing water separately. This

## TerraPlus® Solub K 4-0-26



Version: 1.6  
Date of last issue: 23.12.2022  
Date of first issue: 30.08.2018

Revision Date:  
07.04.2023

---

must not be discharged into drains.

---

### SECTION 6: Accidental release measures

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

Personal precautions : Avoid breathing dust.

#### 6.2 Environmental precautions

Environmental precautions : Do not let product enter drains.

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

Methods for cleaning up : Sweep up and shovel into suitable containers for disposal.  
After cleaning, flush away traces with water.

#### 6.4 Reference to other sections

---

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : Avoid dust formation.  
Avoid inhalation, ingestion and contact with skin and eyes.

Advice on protection against fire and explosion : The product is not flammable. No special precautions required.

Hygiene measures : When using do not eat or drink. 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 in a dry place.

Advice on common storage : Not relevant

Storage class (TRGS 510) : 13, Non Combustible Solids

Other data : Stable under recommended storage conditions.

#### 7.3 Specific end use(s)

---

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

#### 8.2 Exposure controls

Engineering measures

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006

## TerraPlus® Solub K 4-0-26



Version: 1.6  
Date of last issue: 23.12.2022  
Date of first issue: 30.08.2018

Revision Date:  
07.04.2023

---

none

### Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection

Remarks : not required under normal use

Skin and body protection : not required

Respiratory protection : Effective dust mask

Protective measures : none

### Environmental exposure controls

General advice : Do not let product enter drains.

---

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : solid

Colour : dark brown

Odour : characteristic

Odour Threshold : No data available

pH : ca. 8,5

Melting point/range : No data available

Boiling point/boiling range : Not applicable

Flash point : Not applicable

Evaporation rate : Not applicable

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006

## TerraPlus® Solub K 4-0-26



Version: 1.6

Date of last issue: 23.12.2022

Date of first issue: 30.08.2018

Revision Date:

07.04.2023

---

|  |                                 |
|--|---------------------------------|
| Flammability (solid, gas)              | : The product is not flammable. |
| Upper explosion limit                  | : Not applicable                |
| Lower explosion limit                  | : Not applicable                |
| Vapour pressure                        | : Not applicable                |
| Relative vapour density                | : Not applicable                |
| Density                                | : 1,7 kg/l                      |
| Bulk density                           | : No data available             |
| Solubility(ies)                        |                                 |
| Water solubility                       | : No data available             |
| Partition coefficient: n-octanol/water | : No data available             |
| Auto-ignition temperature              | : Not applicable                |
| Decomposition temperature              | : No data available             |
| Viscosity                              |                                 |
| Viscosity, dynamic                     | : Not applicable                |
| Explosive properties                   | : none                          |
| Oxidizing properties                   | : none                          |

### 9.2 Other information

No data available

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

### 10.2 Chemical stability

### 10.3 Possibility of hazardous reactions

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

**TerraPlus® Solub K 4-0-26**



Version: 1.6  
Date of last issue: 23.12.2022  
Date of first issue: 30.08.2018

Revision Date:  
07.04.2023

---

**10.4 Conditions to avoid**

**10.5 Incompatible materials**

Materials to avoid : None known.

**10.6 Hazardous decomposition products**

No decomposition if stored and applied as directed.

---

**SECTION 11: Toxicological information**

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

**Acute toxicity**

**Product:**

Acute oral toxicity : LD50 (Rat): 6.600 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

**Skin corrosion/irritation**

**Product:**

Result: No skin irritation

Remarks: Practical experience.

**Serious eye damage/eye irritation**

**Product:**

Result: No eye irritation

Remarks: Practical experience.

**Respiratory or skin sensitisation**

**Product:**

Result: Did not cause sensitisation on laboratory animals.

Remarks: Practical experience.

**germ cell mutagenicity**

**Product:**

Genotoxicity in vitro : Remarks: Contains no hazardous ingredients according to GHS

**Carcinogenicity**

**Product:**

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006

## TerraPlus® Solub K 4-0-26



Version: 1.6  
Date of last issue: 23.12.2022  
Date of first issue: 30.08.2018

Revision Date:  
07.04.2023

---

Remarks: Contains no ingredient listed as a carcinogen

### Reproductive toxicity

#### Product:

Effects on fertility : Remarks: No toxicity 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.

### Aspiration hazard

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

## 11.2 Information on other hazards

### Endocrine disrupting properties

No data available

### Further information

No data available

---

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : LC50 (bleak): 1.692 - 2.380 mg/l  
Exposure time: 96 h  
Method: DIN 38412

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 890 mg/l  
Exposure time: 48 h  
Method: DIN 38412

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006

## TerraPlus® Solub K 4-0-26



Version: 1.6

Date of last issue: 23.12.2022

Date of first issue: 30.08.2018

Revision Date:

07.04.2023

---

|                      |  |
|----------------------|--|
| Toxicity to algae    | : EC50 (Pseudokirchneriella subcapitata (green algae)): 2.900 mg/l<br>Exposure time: 72 h<br>Method: DIN 38412 |
| Toxicity to bacteria | : EC20 (Pseudomonas putida): > 20 g/l<br>Exposure time: 16 h<br>Method: DIN 38412                              |

### 12.2 Persistence and degradability

#### Product:

Biodegradability : Remarks: Not applicable

Physico-chemical removability : Remarks: Not applicable

### 12.3 Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

### 12.4 Mobility in soil

#### Product:

Mobility : Remarks: Not applicable

### 12.5 Results of PBT and vPvB assessment

Not relevant

### 12.6 Endocrine disrupting properties

No data available

### 12.7 Other adverse effects

#### Product:

Adsorbed organic bound halogens (AOX) : Remarks: Not applicable

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

|                        |   |
|------------------------|---|
| Product                | : Check if agriculture use is possible.   |
| Contaminated packaging | : Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned. |

**TerraPlus® Solub K 4-0-26**



Version: 1.6  
Date of last issue: 23.12.2022  
Date of first issue: 30.08.2018

Revision Date:  
07.04.2023

---

## SECTION 14: Transport information

### 14.1 UN number or ID 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

### 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 Maritime transport in bulk according to IMO instruments

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)

Other regulations : Observe national and local legal requirements.

### 15.2 Chemical Safety Assessment

---

## SECTION 16: Other information

### Full text of other abbreviations

(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 Standardisation; ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006

## TerraPlus® Solub K 4-0-26



Version: 1.6

Date of last issue: 23.12.2022

Date of first issue: 30.08.2018

Revision Date:

07.04.2023

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 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.

DE / EN