

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006



## TerraPlus Red Fluid

Version: 1.0  
Date of last issue: -  
Date of first issue: 05.05.2023

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05.05.2023

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

#### 1.1 Product identifier

Trade name : TerraPlus Red Fluid

#### 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

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### 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.

#### 2.3 Other hazards

None known.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Hazardous components

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Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

If inhaled : Move to fresh air in case of accidental inhalation of vapours or decomposition products.  
Keep patient calm, remove to fresh air, seek medical attention.

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 symptoms persist, seek medical advice.

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

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

Symptoms : 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 : Water

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

Specific hazards during firefighting : In case of combustion evolution of dangerous gases possible.  
ammonia

#### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
In the event of fire and/or explosion do not breathe fumes.

Further information : Use water spray to cool unopened containers.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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### SECTION 6: Accidental release measures

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

Personal precautions : Ensure adequate ventilation.  
Avoid contact with skin and eyes.  
In case of involuntary exposition of the product contact producer or supplier.

#### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
Retain and dispose of contaminated wash water.

#### 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).  
Rinse with water.

#### 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 away from heat.  
Keep away from direct sunlight.  
Do not allow to dry.

Hygiene measures : Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke.

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

Requirements for storage areas and containers : Keep away from direct sunlight.

Storage class (TRGS 510) : 12, Non Combustible Liquids

Recommended storage temperature : 5 - 35 °C

#### 7.3 Specific end use(s)

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

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

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### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name      | End Use                            | Exposure routes | Potential health effects | Value |
|---------------------|------------------------------------|-----------------|--------------------------|-------|
| TerraPlus Red Fluid |                                    |                 |                          |       |
| Remarks:            | This information is not available. |                 |                          |       |

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name      | Environmental Compartment          | Value |
|---------------------|------------------------------------|-------|
| TerraPlus Red Fluid |                                    |       |
| Remarks:            | This information is not available. |       |

## 8.2 Exposure controls

### Personal protective equipment

Eye protection : Tightly fitting safety goggles

Hand protection

Remarks : For prolonged or repeated contact use protective gloves. Impervious gloves. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

### Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system. Retain and dispose of contaminated wash water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : liquid  
Colour : brown  
Odour : characteristic  
Odour Threshold : No data available

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|  |   |
|--|---|
| pH                                     | : 9,0, (20 °C)  |
| Flash point                            | : Not applicable                                      |
| Evaporation rate                       | : No data available                                   |
| 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                | : No data available                                   |
| Density                                | : No data available                                   |
| Solubility(ies)                        |   |
| Water solubility                       | : not determined                                      |
| Partition coefficient: n-octanol/water | : Not applicable                                      |
| Auto-ignition temperature              | : Not applicable                                      |
| Decomposition temperature              | : No decomposition if stored and applied as directed. |
| Viscosity                              |   |
| Viscosity, dynamic                     | : No data available                                   |
| Viscosity, kinematic                   | : No data available                                   |
| Explosive properties                   | : Not explosive                                       |
| Oxidizing properties                   | : Not considered an oxidizing substance               |

### 9.2 Other information

Surface tension : No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

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### 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

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

### 10.5 Incompatible materials

Materials to avoid : This information is not available.

### 10.6 Hazardous decomposition products

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## SECTION 11: Toxicological information

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

#### Acute toxicity

**Product:**

Acute oral toxicity : Remarks: Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

**Product:**

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

#### Serious eye damage/eye irritation

**Product:**

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

#### Respiratory or skin sensitisation

**Product:**

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

#### germ cell mutagenicity

**Product:**

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

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### Carcinogenicity

**Product:**

Remarks: Contains no ingredient listed as a carcinogen  
Based on available data, the classification criteria are not met.

### Reproductive toxicity

**Product:**

Effects on fertility :  
Remarks: Based on available data, the classification criteria are not met.

Effects on foetal development :  
Remarks: Contains no ingredient listed as toxic to reproduction  
Based on available data, the classification criteria are not met.

### STOT - single exposure

**Product:**

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

### STOT - repeated exposure

**Product:**

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

### Repeated dose toxicity

**Product:**

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

### 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

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## SECTION 12: Ecological information

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### 12.1 Toxicity

**Product:**

Toxicity to fish : Remarks: There is a high probability that the product is acute not harmful to aquatic organisms.

### 12.2 Persistence and degradability

**Product:**

Biodegradability : Remarks: No data available

### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

### 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 Endocrine disrupting properties

No data available

### 12.7 Other adverse effects

**Product:**

Additional ecological information : There is a high probability that the product is acute not harmful to aquatic organisms.  
The product was not tested. The statement was derived from products of similar structure and composition.  
May contribute to eutrophication in static waters, therefore should not be released into surface waters.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Observe all local regulations.  
Do not flush into surface water, groundwater or sanitary sewer system.  
Do not dispose of with domestic refuse.



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Contaminated packaging : Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

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### 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

Segregation 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

Not applicable for product as supplied.

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### SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not listed

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

Water contaminating class (Germany) : WGK 3 highly water endangering

#### 15.2 Chemical Safety Assessment

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A Chemical Safety Assessment is not required for this product.

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### 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 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.

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