according to Regulation (EC) No. 1907/2006

# **COMPO Lawn Fertilizer against Weed and** Moss 4 in 1



Version Revision Date: SDS Number: Date of last issue: 22.12.2021 10.1 23.11.2022 C2847 Date of first issue: 22.12.2021

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

1.1 Product identifier

Trade name COMPO Lawn Fertilizer against Weed and Moss 4 in 1

Product code 000000002616001004

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

Use of the Sub-Private households (=general public = consumers)

stance/Mixture Fertilizers, Plant protection products

Recommended restrictions To be used only where there is a recognised need. Do not

exceed the appropriate dose rates. on use

1.3 Details of the supplier of the safety data sheet

Company COMPO GmbH

> Gildenstraße 38 D-48157 Münster

: +49-0251/3277-0 Telephone

Telefax : +49 (0)251/326225

E-mail address of person responsible for the SDS

: product-safety@compo.com

1.4 Emergency telephone number

Central Safety & Environment

Telephone:+49-251-3277-0 (7-17:30h on working days)

#### **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. On basis of test data.

## 2.2 Label elements

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

Supplemental Hazard **EUH208** Contains 2,4-D. May produce an allergic reac-

Statements tion.

> **EUH208** Contains methylene urea. May produce an

according to Regulation (EC) No. 1907/2006

# COMPO Lawn Fertilizer against Weed and Moss 4 in 1



Version Revision Date: SDS Number: Date of last issue: 22.12.2021 10.1 23.11.2022 C2847 Date of first issue: 22.12.2021

allergic reaction.

EUH401 To avoid risks to man and the environment.

comply with the instructions for use.

Precautionary statements : P101 If medical advice is needed, have product container or

label at hand.

P102 Keep out of reach of children.

Prevention:

P270 Do not eat, drink or smoke when using this product.

Disposal:

P501 Dispose of contents/ container to an approved waste

disposal plant.

#### 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

Components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Index-No.		
	Registration number		
iron (II) sulfate	7720-78-7	Acute Tox. 4; H302	< 24
	231-753-5	Eye Irrit. 2; H319	
	026-003-00-7	Skin Irrit. 2; H315	
	01-2119513203-57-		
	XXXX		
salts of 2,4-D	Not Assigned	Acute Tox. 4; H302	< 1
		Eye Dam. 1; H318	
	607-040-00-3	Skin Sens. 1; H317	
		Aquatic Chronic 2;	
		H411	
3,6-dichloro-o-anisic acid, com-	2300-66-5	Eye Irrit. 2; H319	< 1
pound with dimethylamine (1:1)	218-951-7	Aquatic Chronic 3;	
	607-044-00-5	H412	

according to Regulation (EC) No. 1907/2006

# COMPO Lawn Fertilizer against Weed and Moss 4 in 1



Version Revision Date: SDS Number: Date of last issue: 22.12.2021 10.1 23.11.2022 C2847 Date of first issue: 22.12.2021

For explanation of abbreviations see section 16.

#### **SECTION 4: First aid measures**

## 4.1 Description of first aid measures

If inhaled : Move to fresh air.

If symptoms persist, call a physician.

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

If symptoms persist, call a physician.

In case of eye contact : Remove contact lenses.

Rinse immediately with plenty of water, also under the eyelids,

for at least 15 minutes.

If eye irritation persists, consult a specialist.

If swallowed : Do NOT induce vomiting.

Rinse mouth with water.

If symptoms persist, call a physician.

#### 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 : Product is compatible with standard fire-fighting agents.

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

Specific hazards during fire-

fighting

Fire will produce dense black smoke containing hazardous

combustion products (see section 10).

#### 5.3 Advice for firefighters

Special protective equipment :

for firefighters

Use personal protective equipment. Wear self-contained

breathing apparatus for firefighting if necessary.

Further information : Prevent fire extinguishing water from contaminating surface

water or the ground water system.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

according to Regulation (EC) No. 1907/2006

# COMPO Lawn Fertilizer against Weed and Moss 4 in 1



Version Revision Date: SDS Number: Date of last issue: 22.12.2021 10.1 23.11.2022 C2847 Date of first issue: 22.12.2021

#### **SECTION 6: Accidental release measures**

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

Personal precautions No special precautions required.

Avoid contact with skin, eyes and clothing.

6.2 Environmental precautions

Environmental precautions Do not flush into surface water or sanitary sewer system.

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

Methods for cleaning up Use mechanical handling equipment.

Prevent further leakage or spillage.

Wipe up with absorbent material (e.g. cloth, fleece).

After cleaning, flush away traces with water.

#### 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 Take notice of the directions of use on the label.

Handle in accordance with good industrial hygiene and safety

practice.

Avoid contact with skin, eyes and clothing.

Avoid inhalation of vapour or mist.

Wash hands before breaks and at the end of workday.

Advice on protection against

fire and explosion

Keep away from open flames, hot surfaces and sources of

ignition.

Hygiene measures General industrial hygiene practice. Wash hands before

breaks and at the end of workday. Keep away from food and

drink.

## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage

areas and containers

Keep out of the reach of children. Store in original container. Keep tightly closed in a dry, cool and well-ventilated place.

Advice on common storage Keep away from food and drink.

Keep away from oxidizing agents and strongly acid or alkaline

materials.

Storage class (TRGS 510) 13

Recommended storage tem- : 5 - 30 °C

perature

according to Regulation (EC) No. 1907/2006

# **COMPO Lawn Fertilizer against Weed and Moss 4 in 1**



Version Revision Date: SDS Number: Date of last issue: 22.12.2021 10.1 23.11.2022 C2847 Date of first issue: 22.12.2021

7.3 Specific end use(s)

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

## **SECTION 8: Exposure controls/personal protection**

## 8.1 Control parameters

## **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
salts of 2,4-D	Not As- signed	Exposure limit(s) (Inhalable fraction)	1 mg/m3	DE TRGS 900
	Peak-limit: excursion factor (category): 8;(II)			
	Further information: Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., Risk of percutaneous absorption of amine-formulations and esters, with the exception of the acid., Skin absorption, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

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

Substance name	End Use	Exposure routes	Potential health effects	Value
iron (II) sulfate	Workers	Skin contact	Acute systemic effects, Long-term systemic effects	2,8 mg/kg
	Workers	Inhalation	Acute systemic ef- fects, Long-term systemic effects	9,9 mg/m3
	Consumers	Skin contact	Acute systemic ef- fects, Long-term systemic effects	1,4 mg/kg
	Consumers	Inhalation	Acute systemic ef- fects, Long-term systemic effects	2,5 mg/m3
	Consumers	Ingestion	Acute systemic ef- fects, Long-term systemic effects	1,4 mg/kg

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

	, , , , , , , , , , , , , , , , , , , ,		
Substance name	Environmental Compartment	Value	
iron (II) sulfate	Water		
	Remarks:This product has no known ecotox	Remarks:This product has no known ecotoxicological effects.	
	Behaviour in waste water treatment plants	2483 mg/l	
	Fresh water sediment	246000 mg/kg	
	Marine sediment	246000 mg/kg	
	Soil	276000 mg/kg	

according to Regulation (EC) No. 1907/2006

# COMPO Lawn Fertilizer against Weed and Moss 4 in 1



Version Revision Date: SDS Number: Date of last issue: 22.12.2021 10.1 23.11.2022 C2847 Date of first issue: 22.12.2021

#### 8.2 Exposure controls

## Personal protective equipment

Eye/face protection : not required under normal use

Avoid contact with eyes.

Hand protection

Material : Chemical resistant gloves made of butyl rubber or nitrile rub-

ber category III according to EN 374.

Break through time : > 10 min Glove thickness : 0,2 mm

Glove length : Standard glove type.

Remarks : Skin should be washed after contact.

Skin and body protection : Long sleeved clothing

Respiratory protection : not required

Do not breathe vapours or spray mist.

## **SECTION 9: Physical and chemical properties**

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

Physical state : granular

Colour : green

Odour : characteristic

Melting point/freezing point : No data available

Initial boiling point and boiling

range

No data available

Flammability : Will not burn

Method: Regulation (EC) No. 440/2008, Annex, A.10

Decomposition temperature : ca. > 235 °C

pH : ca. 4,5 (20 °C)

Concentration: 10 g/l

Solubility(ies)

Water solubility : partly soluble

Vapour pressure : No data available

Bulk density : ca. 950 kg/m<sup>3</sup>

### 9.2 Other information

according to Regulation (EC) No. 1907/2006

# COMPO Lawn Fertilizer against Weed and Moss 4 in 1



Version Revision Date: SDS Number: Date of last issue: 22.12.2021 10.1 23.11.2022 C2847 Date of first issue: 22.12.2021

Explosives : Not explosive

Method: Regulation (EC) No. 440/2008, Annex, A.14

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

Self-ignition : > 400 °C

Method: Regulation (EC) No. 440/2008, Annex, A.16

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

Conditions to avoid : Protect from frost, heat and sunlight.

10.5 Incompatible materials

Materials to avoid : Strong acids and strong bases

Strong oxidizing agents

#### 10.6 Hazardous decomposition products

In case of fire hazardous decomposition products may be produced such as:

Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke.

## **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): > 2.000 mg/kg

Method: OECD Guideline 423

Assessment: The substance or mixture has no acute oral tox-

icitv

Remarks: Information given is based on data obtained from

similar substances.

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg

Method: OECD Test Guideline 402

Assessment: The substance or mixture has no acute dermal

according to Regulation (EC) No. 1907/2006

# COMPO Lawn Fertilizer against Weed and Moss 4 in 1



Version Revision Date: SDS Number: Date of last issue: 22.12.2021 10.1 23.11.2022 C2847 Date of first issue: 22.12.2021

Remarks: Information given is based on data obtained from

similar substances.

#### Skin corrosion/irritation

**Product:** 

**Species** Rabbit

**OECD Test Guideline 404** Method

Result No skin irritation

: Information given is based on data obtained from similar sub-Remarks

stances.

## Serious eye damage/eye irritation

**Product:** 

**Species** Rabbit

Method **OECD Test Guideline 405** 

Result No eye irritation

Remarks Information given is based on data obtained from similar sub-

stances.

#### Respiratory or skin sensitisation

**Product:** 

Method **OECD Test Guideline 406** 

Result Did not cause sensitisation on laboratory animals.

Remarks Information given is based on data obtained from similar sub-

stances.

#### Germ cell mutagenicity

**Product:** 

Germ cell mutagenicity- As-

sessment

: Contains no ingredient listed as a mutagen

#### Carcinogenicity

**Product:** 

Carcinogenicity - Assess-

ment

: Contains no ingredient listed as a carcinogen

#### Reproductive toxicity

**Product:** 

sessment

Reproductive toxicity - As- : Contains no ingredient listed as toxic to reproduction

according to Regulation (EC) No. 1907/2006

# COMPO Lawn Fertilizer against Weed and Moss 4 in 1



Version Revision Date: SDS Number: Date of last issue: 22.12.2021 10.1 23.11.2022 C2847 Date of first issue: 22.12.2021

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.

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.

**Further information** 

**Product:** 

Remarks : Health injuries are not known or expected under normal use.

**SECTION 12: Ecological information** 

12.1 Toxicity

**Product:** 

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other :

aquatic invertebrates

ErC50 (Daphnia magna (Water flea)): > 100 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae/aquatic

plants

: ErC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

**Ecotoxicology Assessment** 

Acute aquatic toxicity : This product has no known ecotoxicological effects.

according to Regulation (EC) No. 1907/2006

# COMPO Lawn Fertilizer against Weed and Moss 4 in 1



Version Revision Date: SDS Number: Date of last issue: 22.12.2021 10.1 23.11.2022 C2847 Date of first issue: 22.12.2021

#### 12.2 Persistence and degradability

**Product:** 

Biodegradability : Remarks: Ultimate aerobic biodegradation

## 12.3 Bioaccumulative potential

**Product:** 

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <=

4).

## 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.

### 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

### **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

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

Dispose of product to an approved waste disposal plant.

The waste codes are manufacturer's recommendations based

on the designated use of the product.

European Waste Catalog: 20 01 19\* Pesticides

Contaminated packaging : Do not re-use empty containers.

Dispose of container to an approved waste disposal plant.

according to Regulation (EC) No. 1907/2006

# COMPO Lawn Fertilizer against Weed and Moss 4 in 1



Version Revision Date: SDS Number: Date of last issue: 22.12.2021 10.1 23.11.2022 C2847 Date of first issue: 22.12.2021

## **SECTION 14: Transport information**

#### 14.1 UN number or ID number

ADN : Not regulated as a dangerous good
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

ADN : Not regulated as a dangerous good
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)

ADN : Not regulated as a dangerous good
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

ADN : Not regulated as a dangerous good
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

#### 14.6 Special precautions for user

Not applicable

#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

according to Regulation (EC) No. 1907/2006

# COMPO Lawn Fertilizer against Weed and Moss 4 in 1



Version Revision Date: SDS Number: Date of last issue: 22.12.2021 10.1 23.11.2022 C2847 Date of first issue: 22.12.2021

## **SECTION 15: Regulatory information**

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

Not applicable

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 649/2012 of the European Parliament and the Council concerning the export and import

of dangerous chemicals

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

tants (recast)

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

plete the ozone layer

Regulation (EU) 2019/1148 on the marketing and use of

explosives precursors

REACH - List of substances subject to authorisation

(Annex XIV)

Seveso III: Directive 2012/18/EU of the Euro-Not applicable

pean Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Water hazard class (Germa: WGK 1 slightly hazardous to water

ny)

#### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

## **SECTION 16: Other information**

#### **Full text of H-Statements**

Harmful if swallowed. H302 H315 Causes skin irritation.

H317 May cause an allergic skin reaction. Causes serious eye damage. H318 Causes serious eye irritation. H319

H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

12 / 14

according to Regulation (EC) No. 1907/2006

# COMPO Lawn Fertilizer against Weed and Moss 4 in 1



Version Revision Date: SDS Number: Date of last issue: 22.12.2021 10.1 23.11.2022 C2847 Date of first issue: 22.12.2021

Acute Tox. Acute toxicity

Long-term (chronic) aquatic hazard **Aquatic Chronic** 

Eve Dam. Serious eve damage

Eye Irrit. Eye irritation Skin Irrit. Skin irritation Skin Sens. Skin sensitisation

DE TRGS 900 Germany. TRGS 900 - Occupational exposure limit values.

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

### **Further information**

Training advice Handle in accordance with good industrial hygiene and safety

See sections: 4, 5, 6, 7, 8, 10 and 13.

compile the Safety Data

Sheet

Sources of key data used to : Information taken from reference works and the literature.

according to Regulation (EC) No. 1907/2006



# **COMPO Lawn Fertilizer against Weed and Moss 4 in 1**

Version Revision Date: SDS Number: Date of last issue: 22.12.2021 10.1 23.11.2022 C2847 Date of first issue: 22.12.2021

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