

Safety Data Sheet

according to Regulation (EC) No. 1907/2006



Product name : Kompovit-ACF 32

Revised on : 9.9.2022

Version number : 1

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

1.1 Product identifier Kompovit-ACF 32

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

Relevant identified uses:

Microbial auxiliary agent for the degradation of organic matter and ammonia in wastewater treatment plants, during composting, in the remediation of contaminated soils as well as lakes and rivers, and in animal husbandry.

Uses advised against:

For uses not listed, please contact the manufacturer.

1.3 Details of the supplier of the safety data sheet

Supplier

BluePlanet Germany GmbH Friesestrasse 31a 02681 Schirgiswalde-Kirschau

Telephone / Fax / E-mail

BluePlanet Germany GmbH Tel.: 0049 3592 543 09 90 e-mail: u.nimmrichter@blueplanet-germany.com

1.4 Emergency telephone number

BluePlanet Germany GmbH Tel.: 0049 3592 543 09 90

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008

GHS classification - Not applicable

The microorganisms used in this product are classified according to the German Biological Agents Regulation TRBA 466 as unlikely to cause disease in humans (Risk Group 1).

2.2 Label elements

Regulation (EC) No. 1272/2008

Pictogram(s) and signal word of the product

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Not applicable

Signal word:

Not applicable

Hazard-determining component(s) for labelling (product identifier(s))

Not applicable

Hazard statements

Classified as non-hazardous

Precautionary statements

Wear protective gloves and eye protection.

IF SWALLOWED: Rinse mouth and drink plenty of water. Do NOT induce vomiting.

IF ON SKIN: Remove contaminated clothing. Rinse skin with soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, then continue rinsing for several minutes.

2.3 Other hazards

Not applicable

SECTION 3: Composition/information on ingredients

3.1 Substances Not applicable

3.2 Mixtures

Composition/information on ingredients

Aqueous suspension of natural heterotrophic, facultatively photosynthetic or chemolithotrophic bacteria (wild type)

Composition

Water > 98% Viable bacteria < 1% Harmless media residues < 1% CAS No.: 68920-42-3

Substances with Union workplace exposure limits

Not contained

The wording of the hazard statements referred to is given in Section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Remove the patient from the immediate source of exposure and follow the instructions below; if medical advice is needed, have the product label or safety data sheet at hand.

After inhalation:

Move the patient away from the exposure source to fresh air.

After skin contact:

Remove contaminated clothing; wash affected skin thoroughly with soap and water; if symptoms persist, seek medical attention immediately.

After eye contact:

Rinse eyes with plenty of water for at least 10 minutes with eyelids open and, if applicable, remove contact lenses after the first 5 minutes of rinsing. Continue rinsing for another 5 minutes and seek medical attention immediately if irritation or redness persists.

After ingestion:

Do not induce vomiting; rinse mouth with water; drink water or milk to dilute the liquid and seek medical advice if diarrhoea occurs.

4.2 Most important symptoms and effects, both acute and delayed

In extreme cases, diarrhoea may occur as a delayed symptom after oral ingestion.

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable

SECTION 5: Firefighting measures

5.1 Extinguishing media Not applicable - the mixture is non-flammable

Suitable extinguishing media

Unsuitable extinguishing media

5.2 Special hazards arising from the substance or mixture

The mixture is non-flammable, non-explosive, non-reactive and does not produce toxic gases.

5.3 Advice for firefighters

Not applicable - the mixture is non-flammable, non-explosive, non-reactive and does not produce toxic gases.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Cordon off the contaminated area and prevent access by persons (especially children) and animals until the area has dried by evaporation. Wear impermeable gloves and eye protection.

6.2 Environmental precautions

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The product is not classified as hazardous to the environment. It does not cause damage to or contamination of watercourses or sewers.

6.3 Methods and material for containment and cleaning up

Ventilate affected rooms and clean contaminated surfaces with water. Allow the water to evaporate.

6.4 Reference to other sections

Section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Follow general safety standards and good occupational hygiene practices; wash hands and exposed surfaces with mild soap and water before eating, drinking, smoking or leaving the work area.

Keep out of reach of children; do not store together with food, drink or animal feed; avoid exposure by inhalation; avoid contact with skin, eyes, nose and mouth; use suitable personal protective equipment.

Advice on fire and explosion protection

The mixture is non-flammable, non-explosive, non-reactive and does not produce toxic gases.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers

Keep in the closed original container; ideally store below 35 °C; do not exceed 45 °C for more than 24 hours. Do not freeze. Close tightly between uses.

7.3 Specific end use(s)

Apart from the information already mentioned, no further special recommendations are necessary for the use of this product.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

CAS No.: 68920-42-3

There is no harmonised classification; no hazards to manufacturers, carriers/distributors or users of this product are known.

There are no occupational exposure limits.

Specification: Not applicable Value: Not applicable Ceiling limit: Not applicable Reproductive toxicity: Not applicable

Union workplace exposure limits

There are no occupational exposure limits. Specification: Not applicable; Short-term value (STEL): Not applicable;

Long-term value (8 h TWA): Not applicable; Skin notation: Not applicable.

8.2 Exposure controls / Personal protective equipment

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General workplace safety and hygiene rules apply; as a preventive measure, the use of CE-marked personal protective equipment is recommended.

Appropriate engineering controls

Not applicable

Personal protective equipment

Eye/face protection

Recommended when spraying: EN166:2001 safety goggles or equivalent

Skin protection

Not applicable

Hand protection

Impermeable nitrile gloves; CE-certified for low risk

Other protective measures

Respiratory protection

Not applicable

Thermal hazards

Not applicable

Environmental exposure controls

In accordance with EU environmental protection rules, uncontrolled release of the product and packaging should be avoided. See Sections 6 and 7 for further information.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

	Parameter	Value	Method	Remark
a)	Physical state	Liquid		20 C
b)	Colour	Amber to light brown		
c)	Odour	n.a.		
d)	Melting point/freezing point	0 C		
e)	Boiling point or initial boiling point and	100 C		
f)	Flammability	Non-flammable		
g)	Lower explosion limit / upper explosion li	n.a.		
h)	Flash point	n.a.		
i)	Auto-ignition temperature	n.a.		
j)	Decomposition temperature	n.a.		
k)	pH	7.0 - 8.5		
l)	Kinematic viscosity	n.a.		
m)	Solubility	Aqueous suspension		
n)	Partition coefficient n-octanol/water (log	n.a.		
o)	Vapour pressure	n.a.		
p)	Density and/or relative density	n.a.		
q)	Relative vapour density	n.a.		
r)	Particle characteristics	n.a.		

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* Values refer to: n.d. = not determined; n.a. = not applicable

9.2 Other information

The microorganisms used in this product are classified according to the German Biological Agents Regulation TRBA 466 as unlikely to cause disease in humans (Risk Group 1). We are not aware of any further chemical or physical information relevant to the safe use of our product.

SECTION 10: Stability and reactivity

10.1 Reactivity

The product is stable under normal storage, transport and use conditions.

10.2 Chemical stability

The product is stable under normal storage, transport and use conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions are expected under normal storage, transport and use conditions.

10.4 Conditions to avoid

Not applicable

10.5 Incompatible materials

Not applicable

10.6 Hazardous decomposition products

Not applicable

SECTION 11: Toxicological information

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

The product is a non-toxic, non-pathogenic water-based mixture of naturally occurring bacterial strains. The microorganisms used in this product are classified according to the German Biological Agents Regulation TRBA 466 as unlikely to cause disease in humans (Risk Group 1).

Acute toxicity

Based on available information, no classification is possible

Skin corrosion/irritation

Not known

Serious eye damage/irritation

Mild eye irritation expected

Respiratory or skin sensitisation

Not known

Germ cell mutagenicity

Not known

Carcinogenicity

Not known

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Reproductive toxicity

Not known

Specific target organ toxicity - single exposure

Not known

Specific target organ toxicity - repeated exposure

Not known

Aspiration hazard

Not known

11.2 Information on other hazards

Not known

11.2.1 Endocrine disrupting properties

Not known

11.2.2 Other information

Inhalation of larger quantities may cause dizziness and discomfort; ingestion of larger quantities may cause nausea or diarrhoea.

SECTION 12: Ecological information

12.1 Toxicity

No evidence of ecotoxicity

12.2 Persistence and degradability

No evidence of poor degradability

12.3 Bioaccumulative potential

No evidence of bioaccumulation

12.4 Mobility in soil

Not relevant for microorganisms

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Endocrine disrupting properties

Not applicable

12.7 Other adverse effects

Not known

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product:

As the microorganisms used are also intended for use in wastewater treatment plants, they may be discharged untreated into wastewater.

Uncleaned packaging:

Before disposal in the recycling system, polyethylene (PE) bottles must be rinsed thoroughly with water.

Cleaned packaging:

The packaging material consists of polyethylene (PE) and can be recycled.

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SECTION 14: Transport information

14.1 UN number or ID number

Not applicable

14.2 UN proper shipping name

ADR/RID: Not applicable IMDG Code / ICAO-TI / IATA-DGR: Not applicable

14.3 Transport hazard class(es)

ADR / RID / IMDG Code / ICAO-TI / IATA-DGR: Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Environmentally hazardous substances marking: ADR/RID/IMDG Code: no; ICAO-TI/IATA-DGR: no

14.6 Special precautions for user

See Sections 6 - 8; no special precautions necessary

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 (substances that deplete the ozone layer)

Not applicable

Regulation (EC) No. 850/2004 (persistent organic pollutants)

Not applicable

Regulation (EC) No. 649/2012 (export and import of hazardous chemicals)

Not applicable

Regulation (EC) No. 648/2004 (Detergents Regulation)

Not applicable

Authorisations according to Title VII of Regulation (EC) No. 1907/2006

Not applicable

Restrictions according to Title VIII of Regulation (EC) No. 1907/2006

Not applicable

National regulations

Water hazard class

Not applicable

Reference to Technical Rules for Hazardous Substances (TRGS)

Not applicable

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Solvent Ordinance (31st BImSchV)

Not applicable

The product is subject to the German Biological Agents Ordinance.

15.2 Chemical safety assessment

The microorganisms used in this product are classified according to the German Biological Agents Regulation TRBA 466 as unlikely to cause disease in humans (Risk Group 1).

SECTION 16: Other information

The data and assessments in this safety data sheet have been obtained from reliable sources and/or experienced specialists. Nevertheless, no express or implied warranty is given as to their accuracy or correctness.

Changes compared with the previous version

Not applicable

Hazard information on the packaging

Keep out of reach of children. Not suitable for consumption. In case of accidental ingestion, drink plenty of water. Avoid eye contact; if necessary rinse eyes immediately. Remove spilled material with soap and water, using gloves and safety goggles. Seek medical advice in case of irritation or rash. For further information, we recommend the relevant safety data sheets.

Legend

Important sources:

<http://echa.europa.eu> <http://eur-lex.europa.eu>

Abbreviations used:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road; IMDG: International Maritime Dangerous Goods Code; IATA: International Air Transport Association; ICAO: International Civil Aviation Organization; COD: Chemical Oxygen Demand; BOD5: 5-day Biochemical Oxygen Demand; BCF: Bioconcentration Factor; LD50: Lethal Dose 50; LC50: Lethal Concentration 50; EC50: Effective Concentration 50; Log-POW: Octanol-water partition coefficient; Koc: Organic carbon partition coefficient.

List of hazard statements not written out in full in Sections 2 to 15

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Training advice

To minimise risks when handling this product and to facilitate understanding and interpretation of this safety data sheet, a certain low level of technical knowledge is recommended.

Annex with exposure scenarios