

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade Name:	Geosynthetics (made of polyester (PET))
Product-No.:	All products made of polyester (Combigrig®, Secugrid®)
REACH-Registration no.	Not registered under regulation 1907/2006. No registration number.
CAS no.	-
EC no.	-

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

Identified uses:	Several reinforcement, filter and separation applications
Uses advised against:	none

1.3 Details of the supplier of the safety data sheet

Supplier:	NAUE GmbH & Co. KG Gewerbestr. 2 32339 Espelkamp Germany
Contact person:	Mr. Kai Hartmann (Environmental Manager) Mr. Norbert Vissing (Production Manager)
Telephone number:	+49 (57 43) 41 – 350 (Hartmann) +49 (57 43) 41 – 421 (Vissing)
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E-Mail address:	khartmann@naue.com ; nvissing@naue.com

1.4 Emergency telephone number

Local emergency

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) no. 1272/2008 (CLP)

Physical and chemical hazards:	not classified
Health hazards:	not classified
Environmental hazards:	not classified

2.2 Label elements

Labelling according to regulation (EC) No 1272/2008 (CLP)

The product is not classified or labelled according to the Regulation (EC) No 1272/2008 (CLP)

Hazardous components to be indicated on label, contains: none

Hazard pictograms: none

Signal word: none

2.3 Other hazards

Other hazards:

Results of PBT and vPvB assessment: PBT: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

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Compound product consisting of a geogrid made of polyester flat bars and a geotextile made of polyester fibres.

3.2 Mixture

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4. FIRST AID MEASURES

4.1 Description of first aid measures

After inhalation:

For common uses: not relevant.

After skin contact:

At normal working temperatures: harmless.

When heated: possibly burning (skin can be in contact with molten product). Wash immediately with plenty of water and soap. Get medical attention.

After eye contact:

For common uses: not relevant.

After ingestion:

For common uses: not relevant..

4.2 Most important symptoms and effects, both acute and delayed

Not applicable.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptoms as occur.

5. FIREFIGHTING MEASURES

Select fire and explosion prevention measures according to the other substances stored/used..

5.1 Extinguishing media

Suitable extinguishing media:

Carbon dioxide, dry powder, foam, alcohol resistant foam

Unsuitable Extinguishing:

Water with full jet.

5.2 Special hazards arising from the substance or mixture

Fire may release toxic gases (Carbon monoxide (CO), carbon dioxide (CO₂))

5.3 Advice for firefighters

Specially purposes of fire-fighting:

In case of fire: Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use appropriate protection, if necessary

6.2 Environmental precautions

No specific environmental problems expected

6.3 Methods and material for containment and cleaning up

Collect spilled material and place it in an appropriate container. Product is not liquid and insoluble in water

6.4 Reference to other sections

Refer to protective measures under section 7 and 8 and for waste disposal section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling:

No special measures are necessary.

Pay attention to order and cleanliness at the workplace.

Hygiene measures:

No special measures are necessary.

Do not eat, drink or smoke in the working area.

7.2 Conditions for safe storage, including any incompatibilities

Specific requirements for Storage:

Containers shall bear clear and permanent inscriptions.

Keep container closed, store in a cool dry place and well-ventilated area.

Specific requirements for Packing:

No special measures are required.

7.3 Specific end uses

Application as sealing component

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No special measures are necessary

8.2 Exposure controls

Appropriate engineering controls:

No special measures are necessary.

Eye/face protection:

No special measures are necessary.

Skin protection:

No special measures are necessary.

Observe appropriate hygienic measures. Wash hands immediately after exposition.

Respiratory protection:

No special measures are necessary.

Body protection:

Common worker clothes.

General protection and hygiene measures:

General hygiene measures. Wash hands before breaks and at the end of work.

Environmental exposure controls:

No special risk management measures

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Geogrid/Geotextile, solid
Colour:	White/transparent
Odour:	odourless
Odour threshold:	Value not determined
pH-Value:	Not applicable
Melting point	Approx. 200 °C
Initial boiling point and boiling range:	Value not determined
Flash point:	Not combustible
Evaporation rate:	Value not determined
Flammability (solid, gas):	Approx. 510 °C
Upper/lower flammability or explosive limits:	Substance is not explosive
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Relative density at 20 °C:	Approx. 1.36 g/cm ³
Bulk density	Not applicable
Solubility in water:	insoluble
Partition coefficient: n-octanol/water:	Not applicable
Auto-ignition temperature:	Value not determined
Decomposition temperature:	Not applicable
Viscosity:	Not applicable
Oxidising properties:	Not oxidising

9.2 Other information

No further relevant information available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal condition.

10.3 Possibility of hazardous reactions

Not determined

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide

11. TOXICOLOGICAL INFORMATION

No data available

11.1 Information on toxicological effects

Polyester is not classified as hazardous. Toxicological data is not available for the substance.

Acute toxicity: not determined

Acute toxicity, dermal: not determined

Skin corrosion/irritation: not determined

Serious eye damage/irritation: not determined

Respiratory or skin sensitisation: not determined

Germ cell mutagenicity: not determined

Carcinogenicity: not determined

Reproductive toxicity: not determined

Specific target organ toxicity,
single exposure: not determined

Specific target organ toxicity,
repeated exposure: not determined

Aspiration hazard: not determined

Other information: To our knowledge and correct application no negative effects on workers and humans are expected.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

According to 1272/2008 no aquatic toxicity is expected

Acute aquatic toxicity:

No acute aquatic toxicity is expected

Chronic aquatic toxicity:

No chronic aquatic toxicity is expected

12.2 Persistence and degradability

Not determined

12.3 Bioaccumulative potential

Not determined

12.4 Mobility in soil

Not determined. Due to solubility and technical application no mobility expected

12.5 Results of PBT and vPvB assessment

Polyester is neither PBT nor cPvB

12.6 Other adverse effects

Not determined

13. DISPOSAL CONSIDERATIONS

Polyester can be disposed together with soil materials on landfill sites or depending on local regulations.

13.1 Waste treatment methods

Supply product residues with detailed labelling.

14. TRANSPORT INFORMATION

No Special precautions required

14.1 UN number

not applicable

14.2 UN proper shipping name

not applicable

14.3 Transport hazard class(es)

not applicable

14.4 Packing group

not applicable

14.5 Environmental hazards

not applicable

14.6 Special precautions for user

not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

15. REGULATORY INFORMATION

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

EU legislation:

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures

National provisions:

Depending on local market

15.2 Chemical safety assessment

A chemical safety assessment for the substance has not been carried out (not applicable).

16. OTHER INFORMATION

List of relevant hazard statements:

List of relevant precautionary statements:

Abbreviations and acronyms used in the safety data sheet:

Information on revision of the safety data sheet:: revised on 2021-03-15

Trade name: Combigrid®, Secugrid®

Key literature references and sources for data: No data available

DISCLAIMER OF LIABILITY:

The information supplied herein is related to material specified and may not be valid if used in combination with other material or process. Further the information contained here is believed to be reliable and based on the correct state of our knowledge. However, no guarantees of any kind can be given as to its accuracy.

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