

SAFETY DATA SHEET

REPUBLIC OF TURKEY This document has been prepared in accordance with the Regulation on Safety Data Sheets for Hazardous Substances and Preparations which was published in Official Gazette dated 13 December 2014 and numbered 29204, by the Ministry of Environment and Urbanization

FORTEX GG GEOGRID

Preparation Date: 05.03.2018

Rearrangement Date:05.04.2021

Number of Edits :01

Form No :FR00020

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name :FORTEX GG GEOGRID

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

Identified Use :In airports, in providing higher bearing capacity of runway, apron and taxiway foundations, in preventing local settlements in applications to be made on weak ground by reducing the amount of foundation and sub-base filling, in filling works of expansion projects. In ground improvements to reduce the amount of ballast and sub-ballast by increasing the bearing capacity in railway applications on weak ground. It is used in the foundations of container storage areas and industrial buildings, increasing the bearing capacity of heavy foundations and preventing local settlements.

1.3. Details of the supplier of the safety data sheet

Manufacturer :İstanbul Teknik İnşaat Sanayi ve Ticaret A.Ş.

Address :Tekstil Kent Koza Plaza, B Blok Kat:30

:Esenler 34235 / İSTANBUL

Phone :+90 212 438 18 08

Fax: :+90 212 438 18 01

E- mail :bilgi@istanbulteknik.com

Information About MSDS Is Provided by

Filiz KADAGAN /Chemist

filizkadagan@istanbulteknik.com

1.4. Emergency telephone number

Emergency telephone +90 212 438 18 08

Emergency First Aid Center 112

National Poison Counseling Center 114

Fire Department 110

SECTION 2:HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In accordance with the SEA Regulation of 11/12/2013:

Physical hazards Not Classified

Health hazards Skin Sens. 1, H317,

Environmental hazards Not Classified

2.2. Label elements

Pictogram



Signal Word Warning

Hazard statements(H)

H317 May cause an allergic skin reaction.

Precautionary statements

Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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Response:

P302 + P352 IF ON SKIN: Wash with plenty of water/...

P332+P313 If skin irritation occurs: Get medical advice/attention..

2.3. Other hazards

Given the storage and use regulations, there are no known specific hazards.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixture

| Product Name | EC No | Cas No | Concentration % | Classification |
|------------------|-----------|--------|-----------------|---------------------|
| Emulsion acrylic | 920-793-5 | - | 20-30 | Skin Sens. 1, H317, |
| Polyester yarn | - | - | 50-70 | Not Classified |

The Full Text for all H-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Not expected or likely to present a hazard under normal conditions of use. Remove to fresh air.

Skin: Not expected or likely to present a hazard under normal conditions of use. Wash affected areas with soap and water. Remove contaminated clothing and wash before reuse. If irritation persists, seek medical attention.

Eyes: Not expected or likely to present a hazard under normal conditions of use. Rinse immediately under running water for 15 minutes. If irritation occurs, seek medical attention.

Ingestion: No toxic hazard.

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

Specific information about the symptoms and effects caused by the product is not known. For symptoms and effects caused by Ingredients, see ingredients. Chapter 11.

4.3. Indication of any immediate medical attention and special treatment needed

No special treatment required. Treat it symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Flash point Not applicable , Auto-ignition: Not applicable Water mist, foam, carbon dioxide, dry chemical, synthetic foams, alcohol resistant foams..

Unsuitable Fire Fighting Vehicles : There is no limitation

5.2. Special hazards arising from the substance or mixture

Special hazards: During a fire, the smoke may contain the original substance as well as unspecified toxic and/or irritating compounds. Hazardous fire by-products can be the following and other products: Carbon monoxide. carbon dioxide.

5.3. Advice for firefighters

Special protective equipment for fire fighters: Do not attempt to intervene without suitable protective gear. Independent breathing apparatus. Complete protective clothing. Avoid polluting the environment by using more fire extinguishers than necessary. Firefighting residues should not be allowed to reach sewers and groundwater

5.4 Other information

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

Do not attempt to intervene without appropriate protective equipment. Provide a good ventilation environment.

6.2. Environmental precautions

Avoid release to the environment. ventilate the area

6.3. Methods and material for containment and cleaning up

Provide appropriate personal protection. Flush spill area with water. Dispose of collected material or solid waste according to local regulations.

6.4. Reference to other sections

Get information about safe use from chapter 7. Get information on personal protective equipment from Chapter 8. Get information about disposal from section 13.

SECTION 7: ACCIDENTAL RELEASE MEASURES

7.1. Precautions for safe handling

Usage precautions

Provide good ventilation in the work area. Comply with industrial hygiene standards and common rules. Remove contaminated clothing and wash before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Do not leave it in extremely hot and humid environments and under sunlight. Store felt material in a cool (20°C, 68°F) and dry environment.

7.3. Specific end use(s)

Information does not exist.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Mixtures do not have TWA and STEL values.

8.2 Exposure controls

Appropriate engineering controls

Ensure that the working place is well ventilated / well-ventilated.

Personal protective equipment

Respiratory protection: Respiratory protection is not required.

Hand protection: It's not necessary. However, it is good industrial practice to use protective gloves/clothing.

Eye protection : Unnecessary. Still, it is good industrial practice to use safety glasses

Hygiene measures : Do not smoke in working places! Wash hands, arms and face thoroughly before eating, smoking, or using the toilet, at the end of the work period, after handling chemical products. Take off immediately all contaminated clothing. In case of skin contamination, wash immediately with soap and water. Wash contaminated clothing before reuse. Make sure eye wash stations and safety showers are close to the work area.

Environmental exposure controls

General advice : Compliance with environmental standards must be ensured during production processes and by controlling emissions from ventilation equipment. Product residues should not be disposed of without being separated from waste water or disposed of in waterways.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|------------------|-----------------------------|
| Appearance | Solid |
| Colour | Black |
| Smell | Characteristic |
| pH | No Application |
| Flash Point | Not available |
| Evaporation Rate | Not available |
| Viscosity | No Application (kinematics) |

9.2. Other information

Other information None.

SECTION 10: STABILITY AND REACTIVITY

10.1.Reactivity

Stable under normal conditions of use..

10.2.Chemical stability

The product is stable under normal conditions of use and storage. Thermal decomposition above 320 ° C may occur.

10.3.Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use..

10.4.Conditions to avoid

There is no case to be avoided if the recommended storage and handling conditions are met. (see section 7). Keep away from heat, sparks and flame.

10.5.Incompatible materials

Information does not exist

10.6.Hazardous decomposition products

In the event of thermal decomposition or fire, release of toxic gases or vapors which may be hazardous to health may occur. Hazardous polymerization does not occur

SECTION 11: TOXICOLOGICAL INFORMATION

11.1.Information on toxicological effects

Toxicological effects: This mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

Acute toxicity - oral

| | |
|------------------|---|
| Emulsion acrylic | Toxic doze LD50 > 2000 mg / kg (oral - rat) - |
| LD50 oral (rat) | |

SECTION 12: ECOLOGICAL INFORMATION

No special data are available for this product. Use in accordance with the correct working practices. The product is not classified as dangerous for the environment. However, it does not exclude the possibility that large or frequent spills may have a harmful or damaging effect on the environment.

12.1.Toxicity

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

| | |
|-----------------------------|--------------------------------------|
| Emulsion acrylic | |
| LC50 fish | 96 hours: >100 OECD Test No:203 mg/l |
| EC50, aquatic invertebrates | EC 50, 48 Saat :> 100 mg/l |

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2.2.Persistence and degradability

No information available

12.3.Bioaccumulative potential

No data available.

12.4.Mobilityin soil

No data available.

12.5.Results of PBT and vPvB assessment

No data available.

12.6.Other adverse effects

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1.Waste treatment methods

Reuse when possible.

Disposal must be performed through an authorised waste management firm in compliance with national and local regulations. Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14: TRANSPORT INFORMATION

The product is not classified as dangerous according to transport regulations (ADR / RID, ADNR, IMDG, ICAO / IATA).

| | |
|---|--|
| UN number | Not applicable. |
| UN proper shipping name | Not applicable. |
| Transport hazard class(es) | No transport warning sign required. |
| Transport labels | No transport warning sign required. |
| Packing group | Not applicable. |
| Environmental hazards | Environmentally hazardous substance/marine pollutant No. |
| Special precautions for user | Not applicable. |
| Transport in bulk according to Annex II of MARPOL and the IBC Code bulk transportation according to: MARPOL 73/78 annex II and IBC code | Not applicable. |

SECTION 15: REGULATORY INFORMATION

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

15.1.1Legal Information

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Regulation on the transport of dangerous materials by road, Official Gazette dated 24.10.2013, numbered 28801.

15.2.Chemical safety assessment

No chemical safety assessment has been carried out.

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SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H317 May cause an allergic skin reaction.

16.2- Abbreviations:

| | |
|-------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| ADR | The European Agreement concerning the International Carriage of Dangerous Goods by Road |
| CLP | Certified Landscape Professional |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| NIOSH | National Institute for Occupational Safety and Health |
| NTP | National Toxicology Program (ABD) |
| OSHA | Occupational Safety and Health Administration (ABD) |
| PEL | Permissible Exposure Limit |
| RID | International Rules for the Transport of Dangerous Goods by Railway |
| SEA | Regulation on Classification, Labeling and Packaging of Substances and Mixtures dated 11.12.2013 (TR) |
| STEL | Short-term exposure limit |
| TLV | Threshold Limit Value (ACGIH) |
| TWA | Time Weighted Average |

16.3- Prepared/ Edited / Published the Safety Data Sheet:

| | |
|---------------------------|--|
| Issued by | İstanbul Teknik İnşaat Sanayi ve Ticaret A.Ş. |
| Expert/ Certificate No: | Filiz KADAGAN / Chemist/ GBF-2021 27 |
| Certificate Validity Date | 25.03.2024 |
| Date of arrangement: | 05.03.2018 |
| Revision Date | 05.04.2021 |
| Revision: | 01 |
| Safety Data Sheet No: | GBF-A-0-3175 |

16.4.Training Suggestion for Use:

It must be used in accordance with the usage and storage conditions in the Safety Data Sheet.

16.5.Disclaimer

This information relates only to a specific specific substance and should not be used in a composition or in any process where the same substance is used with other substances. This information is accurate and reliable as of the date specified, within the knowledge and belief of the firm at a high level. However, no guarantee or declaration can be made for accuracy, reliability and completeness. It is the user's own responsibility to be convinced of the suitability of this information for his own use.