



## **SAFETY DATA SHEET**

### **Voltite Membrane**

According to Regulation (EU) No 2015/830

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

##### **1.1. Product identifier**

**Product name** Voltite Bentonite Barrier

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

**Identified uses** Geosynthetic Clay Liner – Impermeable and protective layer for environmental applications such as landfills, mines, lagoons.

##### **1.3. Details of the supplier of the safety data sheet**

**Manufacturer** Geomas Geokompozit San.ve Tic. A.S  
Cumhuriyet mah. Fatih cad. No:6  
Kartal Istanbul, Turkey  
Tel: 0216 4514848  
Fax: +90 (216) 309 74 75  
[info@geomas.com.tr](mailto:info@geomas.com.tr)

**Contact Person** Zuhâl Nart

##### **1.4. Emergency telephone number**

Geomas Geokompozit: 0216 4514848

#### **SECTION 2: HAZARDS IDENTIFICATION**

##### **2.1. Classification of the substance or mixture**

**Classification (EC 1272/2008)** Not classified.

##### **2.2. Label elements**

###### **Label In Accordance With (EC) No. 1272/2008**

No labelling required. Not classified.

###### **Hazard Statements**

Not classified.

###### **Precautionary Statements**

Not classified.

##### **2.3. Other hazards**

This product does not contain any PBT or vPvB substances.

#### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

##### **3.1. Substances**

This product does not contain any substance which may be considered hazardous to the health and environment, according to the current legislation (Regulation (EC) No. 1272/2008).

#### **SECTION 4: FIRST AID MEASURES**

##### **4.1. Description of first aid measures**

###### **Inhalation**

Get medical attention if any discomfort continues.



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#### **Ingestion**

Get medical attention if any discomfort continues.

#### **Skin contact**

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

#### **Eye contact**

Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

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

May cause eyes irritation.

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

Treat Symptomatically.

### **SECTION 5: FIREFIGHTING MEASURES**

#### **5.1. Extinguishing media**

##### **Extinguishing media**

This product is not flammable and explosive. Use extinguishing media appropriate to surrounding conditions.

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

##### **Specific hazards**

No hazardous releases in case of fire are expected.

#### **5.3. Advice for firefighters**

##### **Special Fire Fighting Procedures**

Move product from fire area if it can be done without risk. If possible, fight fire from protected position.

##### **Protective equipment for fire-fighters**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact eyes.

#### **6.2. Environmental precautions**

This product is mainly based on natural clay which is used to protect the environment, so no special precautions are required.

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

**Large Spillages:** Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like.

**Small Spillages:** Remove small spills with vacuum cleaner.

#### **6.4. Reference to other sections**

For personal protection, see section 8.

See section 11 for additional information on health hazards.

For waste disposal, see section 13.

### **SECTION 7: HANDLING AND STORAGE**

#### **7.1. Precautions for safe handling**

No special precautions. Observe the general safety regulations when handling the rolls on site.

Technical Measures: Vehicles should be capable of lifting the rolls securely.

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

Keep away from wet. Do not stack more than 4rolls.



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#### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

Not Applicable.

#### 8.2. Exposure controls

##### Protective equipment



##### Respiratory equipment

Not Applicable.

##### Hand protection

For prolonged or repeated skin contact use suitable protective gloves.

##### Eye protection

Wear dust resistant safety goggles where there is danger of eye contact.

##### Hygiene measures

Wash hands and other exposed areas with soap and water before eating and drinking. Keep the working area as tidy as possible.

##### Skin protection

Wear apron or protective clothing in case of splashes.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Roll
Colour	No data available.
Odour	Odorless
Solubility	Insoluble in water. Insoluble in fats
Boiling Point	Not applicable.
Melting point	Not applicable.
Flammability	Non-flammable
pH-Value (10% in water)	9.5 ±0.5
Flash Point	Not applicable.
Vapour pressure	Not applicable.
Viscosity	Not applicable.
Partition Coefficient (N-Octanol/Water)	Not applicable.
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Explosive Properties	None.
Oxidizing Properties	None.

#### 9.2. Other information

No data available.



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#### **SECTION 10: STABILITY AND REACTIVITY**

##### **10.1. Reactivity**

No specific reactivity hazards associated with this product.

##### **10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

##### **10.3. Possibility of hazardous reactions**

None expected.

##### **10.4. Conditions to avoid**

Keep away from wet.

##### **10.5. Incompatible materials**

None known.

##### **10.6. Hazardous decomposition products**

No hazardous decomposition or by-products are expected.

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

##### **11.1. Information on toxicological effects**

###### **Acute toxicity**

Not applicable.

###### **Inhalation**

Not applicable.

###### **Ingestion**

Not applicable.

###### **Skin contact**

Adverse effects are not expected.

###### **Eye contact**

May cause irritation.

#### **SECTION 12: ECOLOGICAL INFORMATION**

##### **12.1. Toxicity**

###### **Ecotoxicity**

The product is not classified as environmentally hazardous.

##### **12.2. Persistence and degradability**

No data available.

##### **12.3. Bioaccumulative potential**

No data available.

##### **12.4. Mobility in soil**

Insoluble in water.

##### **12.5. Results of PBT and vPvB assessment**

No data available.

##### **12.6. Other adverse effects**

No data available.



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#### **SECTION 13: DISPOSAL CONSIDERATIONS**

##### **13.1. Waste treatment methods**

Dispose of in a safe manner in accordance with local/national regulations.

#### **SECTION 14: TRANSPORT INFORMATION**

##### **General**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

##### **14.1. UN number**

Not applicable.

##### **14.2. UN proper shipping name**

Not applicable.

##### **14.3. Transport hazard class(es)**

###### **Transport Labels**

No transport warning sign required.

##### **14.4. Packing group**

Not applicable.

##### **14.5. Environmental hazards**

###### **Environmentally Hazardous Substance/Marine Pollutant**

No.

##### **14.6. Special precautions for user**

Not applicable.

##### **14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable.

#### **SECTION 15: REGULATORY INFORMATION**

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

###### **Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

###### **Approved Code Of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply.  
Safety Data Sheets for Substances and Preparations.

###### **Guidance Notes**

Workplace Exposure Limits EH40.  
CHIP for everyone HSG(108).

###### **EU Legislation**

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

##### **15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

#### **SECTION 16: OTHER INFORMATION**

##### **Information Sources**

This MSDS is prepared based on the information received from the product owner.



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#### **Revision Comments**

This is first issue.

#### **Issued By**

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