



## **SAFETY DATA SHEET** **PERLITE**

According to Regulation (EU) No 453/2010

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

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

**Product name** **PERLITE**  
**Variants** EXPANDED PERLITE (FILTER PERLITE P0,P1,P2 , PERLITE P05 , PERLITE P12 , PERLITE P14 )  
RAW PERLITE (0,074-0,30) (0,074-0,40) (0,074-0,60) (0,15-0,30)(0,15-0,40) (0,15-0,50) (0,15-0,60)  
(0,30-0,85)(0,60-1,20) (0,85-1,20) (0,85-2,36) ( 0,85-2,80)( 1,20-2,40) (1,20-2,80 )(1-3)(0,20-0,80 )MM

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

**Identified uses** Filter aid, cryogenic, insulation, building materials, construction, textile, agriculture and industrial use.  
**Uses advised against** No specific uses advised against are identified.

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

**Manufacturer** **GENPER MINING INDUSTRY TRADE CO.LTD**  
Organize Sanayi Bölgesi1. Cad No:16 KUTAHYA/ TURKEY  
Tel: +90 212 332 06 93 /+90 274 266 26 14  
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**Contact Person** Mihrican Asit (Ms)

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

**GENPER:** +90 541 559 33 05 (office hours)

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

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

**Classification (1999/45/EEC)** Not classified.

#### **POTENTIAL HAZARDS**

**Human Health :** Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.  
Dust may irritate the eyes and the respiratory system.

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

**Risk Phrases** Not classified.

**Safety Phrases** Safety data sheet available for professional user on request.

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

This product does not contain any PBT or vPvB substances.

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

#### **3.1. Substance**

**CAS NO :** 130885-09-5 (raw perlite)  
**CAS NO :** 93763-70-3 (expanded perlite)

**Amount:** 100%



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Na <sub>2</sub> O	3.3014	TiO <sub>2</sub>	0.1120
MgO	0.1668	MnO	0.0924
Al <sub>2</sub> O <sub>3</sub>	13.1689	Fe <sub>2</sub> O	1.0960
SiO <sub>2</sub>	71.4066	Loss of Ignition	4.0210
K <sub>2</sub> O	5.6080	Moisture	% 1 max.
CaO	1.0269		

### **Composition Comments**

The data shown are in accordance with the latest EC Directives.

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

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

#### **Inhalation**

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

#### **Ingestion**

Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

#### **Skin contact**

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

#### **Eye contact**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

#### **Inhalation**

Upper respiratory irritation. Coughing.

#### **Ingestion**

Nausea, vomiting.

#### **Skin contact**

No specific symptoms noted.

#### **Eye contact**

May cause temporary eye 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. Use fire-extinguishing media appropriate for surrounding materials.

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

#### **Unusual Fire & Explosion Hazards**

Dust may form explosive mixture with air.

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



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### **Special Fire Fighting Procedures**

No specific fire fighting procedure given.

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

Follow the general fire precautions indicated in the workplace.

## **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 inhalation of dust. Avoid contact with eyes. Do not smoke, use open fire or other sources of ignition. Provide adequate ventilation.

### **6.2. Environmental precautions**

Collect and dispose of spillage as indicated in section 13.

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

Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water. For waste disposal, see section 13.

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

For personal protection, see section 8.

For waste disposal, see section 13.

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

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

Avoid handling which leads to dust formation. Avoid inhalation of dust and contact with skin and eyes.

Use mechanical ventilation in case of handling which causes formation of dust. Do not eat, drink or smoke when using the product.

Observe good chemical hygiene practices. Provide good ventilation. Mechanical ventilation or local exhaust ventilation may be required.

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

Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from light, including direct sunrays.

### **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**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
Perlite	WEL		10 mg/m <sup>3</sup>			

WEL: Workplace Exposure Limits.

### **8.2. Exposure controls**

#### **Protective equipment**



#### **Engineering measures**



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Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

### **Respiratory equipment**

No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m<sup>3</sup>.

### **Hand protection**

For prolonged or repeated skin contact use suitable protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

### **Eye protection**

Wear approved safety goggles.

### **Hygiene measures**

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

### **Skin protection**

Protection suit must be worn.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

<b>Appearance</b>	Granular.
<b>Colour</b>	Gray. Black. White.
<b>Odour</b>	Odourless
<b>Solubility</b>	Insoluble in water
<b>Melting point</b>	1250°C
<b>pH-Value</b>	7-8 (10% slurry)
<b>Specific Gravity</b>	1000-1200 kg/m <sup>3</sup>

### **9.2. Other information**

No information required.

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

### **10.1. Reactivity**

There are no known reactivity hazards associated with this product.

### **10.2. Chemical stability**

Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.

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

No information required.

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

No specific conditions are likely to result in a hazardous situation.

### **10.5. Incompatible materials**

#### **Materials To Avoid**

No incompatible groups noted.

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

None under normal conditions.

## **SECTION 11: TOXICOLOGICAL INFORMATION**



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

**Acute Toxic Dose 1 - LD 50** 12,960 mg/kg (oral - mouse)

#### **Inhalation**

Dust in high concentrations may irritate the respiratory system.

#### **Ingestion**

May cause discomfort if swallowed.

#### **Skin contact**

Prolonged or repeated exposure may cause irritation.

#### **Eye contact**

Particles in the eyes may cause irritation and smarting.

## **SECTION 12: ECOLOGICAL INFORMATION**

### **Ecotoxicity**

Not expected to be hazardous to the environment.

### **12.1. Toxicity**

No data available.

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

**Degradability** . There are no data on the degradability of this product.

### **12.3. Bioaccumulative potential**

The product is not bioaccumulating.

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

The product is insoluble in water and will sediment in water systems.

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

Not Classified as PBT/vPvB by current EU criteria.

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

No information required.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

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

Dispose of waste and residues in accordance with local authority requirements. Environmental manager must be informed of all major spillages. Powder to be collected, sealed tightly in bags and disposed on approved landfills.

## **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**

No information required.

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

No information required.

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

**Transport Labels** No transport warning sign required.



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

No information required.

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

**Environmentally Hazardous Substance/Marine Pollutant** No.

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

No information required.

#### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No information required.

### **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 SDS is prepared based on the information received from the product owner.

**Revision Comments** : This is first issue.

##### **Issued By**

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