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)
- PERLITE ORE (0.074-0.30) (0.074-0.40) (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) (1.20-2.40) (1.20-2.80) (1-3) 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 EXPANDED PERLITE INDUSTRY TRADE CO.LTD
Ayazağa Mah. Kemerburgaz Cad. No:24 Ayazağa ŞİŞLİ / ISTANBUL
Tel: +90 212 332 06 93 / +90 274 266 26 14
Fax: +90 212 332 06 97 / +90 274 266 26 22

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


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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<table>
<thead>
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<th>Element</th>
<th>Mass</th>
<th>Element</th>
<th>Mass</th>
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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: FIGHTING 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
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.

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

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
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</table>

WEL: Workplace Exposure Limits.

8.2. Exposure controls

Protective equipment

Engineering measures
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/m³.

**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

- **Appearance**: Granular.
- **Colour**: Gray. Black. White.
- **Odour**: Odourless
- **Solubility**: Insoluble in water
- **Melting point**: 1250°C
- **pH-Value**: 7-8 (10% slurry)
- **Specific Gravity**: 1000-1200 kg/m³

#### 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.

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.

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.

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

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

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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