

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) (0,074-0,60) (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)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 / İSTANBUL
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 ₂ O	3.3014	TiO ₂	0.1120
MgO	0.1668	MnO	0.0924
Al ₂ O ₃	13.1689	Fe ₂ O	1.0960
SiO ₂	71.4066	Loss of Ignition	4.0210
K ₂ 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 ³			

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/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/m ³

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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