



HEALTH AND SAFETY DATA SHEET

EXPANDED PERLITE

1. IDENTIFICATION

1.1 Commercial Name(s): Expanded Perlite

1.2 Supplier: : Agrekal Tarım Girdileri r. İnř. Tic. Ltd.Sti.
Yukarıkocayatak Beldesi Poyrazlı Mevkii Merkez Mh. No:25/1
Serik - Antalya - TURKEY

Telefoon: +90-242-729 74 00
Telefax: +90-242-729 75 85

2. CHEMICAL COMPOSITION

Perlite is a Natural Complex Aluminium, Potassium and Sodium Silicate not chemically treated. Dicalite Perlite is chemically inert and contains less than 1 % Crystalline Silica.

3. HAZARD INFORMATION

Expanded Perlite causes an annoying but reversible effect on the lungs by inhalation. This annoying dust causes no organic disease or has no toxic influence on the organism.



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4. FIRST AID PROCEDURE

4.1 Inhalation:

Remove from dust area, drink water to clear throat; blow nose to evacuate dust.

4.2 Eye irritation:

Do not rub! Flush eyes immediately with copious amounts of water. Consult a physician if irritation persists.

4.3 Skin irritation: None

4.4 Swallow: None

4.5 Falling into expanded perlite: Secure yourself against falling

5. FIRE- AND EXPLOSION HAZARDS

None. Perlite is inert and non-flammable.



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6. HANDLING AND STORAGE-PRECAUTIONS

- 6.1 Handling: Avoid creating dust. Repair all broken bags immediately.
- 6.2 Storage: Keep dry and far from odoriferous chemicals.

7. EXPOSURE AND PERSONAL PRECAUTION

- 7.1 Respiratory organs protection:
- A dust mask shall wear.
- 7.2 Eye protection: Safety glasses shall be wear.
- 7.3 Hand & skin protection: None.



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8. PHYSICAL-CHEMICAL PROPERTIES

Physical state at 20°C	: Solid white powder
Density	: 50 - 110 kg/m ³
pH (in 100 gil water slurry)	: 6,5 - 7,5
State Modification	: over 800°C

9. STABILITY AND REACTIVITY

Hazardous Reaction	: None, except with f1uoric-acid
Hazardous dissemination products	: Reacts with f1uoric-acid to form toxic silicon tetrafluoride.



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10. APPLICATIONS

Growing media for soilless cultures and agricultures mixtures.

11. LEGAL INFORMATION

Hazard symbol	: none
Risk sentences R	: none
Risk sentences S	: none
Recommended: S22	: do not inhale dust
S26	: by eye contact, flush with water