

TECHNICAL DATA SHEET

1. GENERAL INFORMATION

Trade Name	Zeo Oil-Chem Spill Cleaner
Chemical Name	Natural Zeolite
Chemical Family	Clinoptilolite Group
CAS Number	1318-02-1 (zeolite) / 12173-10-3 (clinoptilolite)
EINECS Number	215-283-8
Producer	Gordes Zeolit Madencilik Sanayi ve Ticaret Anonim Şirketi
Office Address	Ankara Cad. No:81/123 Bayraklı İzmir/Turkey T: +90 232 348 56 56 F:+90 232 348 43 10
Factory Address	Demirci Yolu 4.km Bodamaz Mevkii Gordes Manisa/Turkey T/F: +90 236 547 30 17

2. PRODUCT DESCRIPTION

This product contains natural zeolite mineral and is 100% chemical free. It is environmentally friendly. Suitable for use both indoors and outdoors.

3. CHEMICAL COMPOSITION

Chemical Composition* (determination by X-Ray fluorescence analyse, DIN 51001)

	w/w %
SiO ₂	68,8
Al ₂ O ₃	14,6
Fe ₂ O ₃	0,91
TiO ₂	0,08
CaO	2,57
MgO	0,63
Na ₂ O	0,72
K ₂ O	3,43
SiO ₂ /Al ₂ O ₃	4,7

* Generic values. Test reports available upon request.

4. PHYSICAL, CHEMICAL AND MINERALOGICAL PROPERTIES

Form	Solid, powder
Colour	White, light cream, whitish beige, beige
Odour	None
Moisture	Max. 8%
Size	0-1 mm; 0,2 -1 mm; 0,5 -1,5 mm. Any other size available.
Specific Gravity	1,9 – 2,1 g/cm ³
Bulk Density	0,6 – 1,2 g/cm ³
Solubility in Water	Insoluble
Average Porosity	35-40%
Surface Area	40,79 m ² /g
Water Retention Capacity	35-45%
NH ₄ ⁺ Change Capacity	1,6 – 2,0 meq/g
Thermal Stability	up to 840 °C

5. APPLICATION

Initially pour a sufficient amount of ZEO OIL-CHEM SPILL CLEANER all around the spill to contain it. Then apply further amounts onto the surface of the spill to create a layer. You will notice that caking begins to occur. Use a trowel, shovel or brush and keep mixing it until the spillage has been completely absorbed and dried out. Finally, dispose of the absorbed spill according to normal waste regulations.

6. STORAGE

Should be kept sealed in its original packaging. Store in a dry environment to avoid any form of damp condition.