

1. Identification of the substance / preparation and company

Trade name

Olivine (magnesium iron silicates peridot chrysolite)

Use of the substance / preparation

Industry sector : Iron&steel, refractories, foundries

Type of use : Raw material

Producer company

Alfa-Olivin Endüstriyel Mineraller Madencilik San.Tic.Ltd.

Namnam Mevkii, Karabörtlen, Ula / Muğla / Turkey

Tel : +90.252.2517080 Fax : +90.252.2517040

2. Composition / information on product

Name	CAS RN	%
Olivine Mineral	1317-71-1	>99

Chemical Specification

MgO % 44-48

SiO₂ % 40-44

Fe₂O₃ % 7-9

Al₂O₃ % 1

CaO % 1

3. Hazards identification

According to the present state of knowledge, there is no known danger to humans.

4. First aid measures

After inhalation

Immediately seek fresh air after inhaling of dust.

After contact with skin

No special measures required.

After contact with eyes

In case of contact with eyes wash with water.

After ingestion

If swallowed seek medical advice immediately.

5. Fire-fighting measures

It is not flammable.

6. Accidental release measures

No special measures required

7. Handling and storage

Advice on safe handling

No special measures required

Advice on protection against fire and explosion

No special measures required

8. Exposure controls / personal protection

General protective measures

Avoid contact with eyes

Hygiene measures

This product is classified as non-hazardous. However the usual precautions for handling mineral raw materials must be observed to avoid contact with eyes and respiratory tract. In case of contact with the product, wash the eye immediately with water.

Hand protection : No special protection required

Eye protection : Safety glasses

9. Physical and chemical properties

Form : solid

Colour : grey-green

Odour : slight, original odour

Melting point : >1380°C

Specific gravity : 3,2 g/cm³

10. Stability and reactivity

Thermal decomposition : No decomposition in normal conditions

Hazardous reactions : No hazardous reactions are known

11. Toxicological information

No toxicological reactions are known

12. Ecological information

No ecological reaction is known

13. Disposal considerations

Product

No special disposal measures required.

Uncleaned packaging

Consider recycling

14. Transport information

ADR	not restricted
ADNR	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

15. Regulatory information

Labelling in accordance with EC-Directives

Hazard warning labelling is not compulsory

16. Other information

The data are based on the current state of our knowledge, and are intended to describe the product with regard to the requirements of safety. The data should not be taken to imply any guarantee or a particular or general specification. It is the responsibility of the use of the product to ensure to his satisfaction that the product is suitable for the intended purpose and method of use. We do not accept responsibility for any harm caused by the use of this information. In all cases, our general conditions of sale apply.