

1. Identification of the Substance/Preparation and Company

Product name:	EMSIL-DRY™
Product application:	Refractory castables
Address/Phone No.:	Elkem AS, Silicon Materials P.O. Box 334 Skøyen, N-0213 Oslo, Norway Telephone: + 47 22 45 01 00 Telefax: + 47 22 45 01 11 http://www.materials.elkem.com
Contact person:	sds.esm@elkem.no
REACH registration number:	Not applicable. Polymers are exempted from REACH registration.
Emergency Phone No.:	Not applicable. The product is non-hazardous.

2. Hazards Identification

Classification of the substance	The product does not meet the criteria for hazard classification in accordance with Regulation (EC) No 1272/2008 (CLP) and the UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS, 6 th revision).
Hazard pictogram:	N/A (not applicable)
Signal word:	N/A (not applicable)
Hazard statements:	N/A (not applicable)
Precautionary statements:	N/A (not applicable)

The product is unlikely to cause harmful effects when handled and stored as advised. See section 7.

3. Composition/Information on Ingredients

Constituents (analysis):	Polymer fibres, non-hazardous
EC No.:	N/A (not applicable) for polymers

4. First Aid Measures

Inhalation: If fibre dust is inhaled: remove to fresh air.
Skin contact: Wash skin with water and/or a mild detergent.
Eye contact: Rinse eyes with water/saline solution. See a physician on persistent feeling of discomfort.
Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Give 2-3 glass of water to drink.

5. Fire Fighting Measures

Fire extinguishing media: Foam, water, CO₂, dry chemical powder.
Special fire fighting procedures: None.

6. Accidental Release Measures

No special measures necessary. Spilled material shall be collected for recycling or disposal.

7. Handling and Storage

Handling: Use adequate ventilation when using the product. Use good hygiene practices and wash after using the product.
Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Store at temperatures between 1 and 40 °C.

8. Exposure Controls/Personal Protection

Engineering controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of dust and fibres below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the workstation location.

Personal protection

Eyes	Safety glasses.
Body	Lab coat.
Respiratory	P2 dust masks.
Hands	Nitril og leather gloves.
Feet	Not applicable.

Protective clothing (pictograms)



9. Physical and Chemical Properties

Form	: Solid, fibres.
Fibre length	: < 6 mm
Colour	: white.
Odour	: none.
Solubility (Water)	: insoluble.
Melting Point (°C)	: 100-120
Ignition temperature (°C)	: > 320
Specific gravity	: 900-1000
Bulk density (kg/m ³)	: 140-250
Explosive properties	: Not explosive.
Oxidising properties	: The product is not classified as oxidising in accordance with GHS and CLP.

10. Stability and Reactivity

Stability:	Stable under normal conditions.
Incompatibility (materials to avoid):	Reacting with oxidizing agents.
Hazardous Decomposition by-products:	CO, CO ₂ on combustion
Hazardous Polymerization:	Not applicable.
Conditions to Avoid:	Avoid contact with flames and ignition sources. Avoid temperatures > 300 °C in order to prevent decomposition.

11. Toxicological Information

The product does not meet the criteria for hazard classification according to Regulation (EC) No 1272/2008 (CLP), and the UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS, 6th revision).

The polymer fibres are considered regular fibres with a denier diameter of 4 and dtex of 4.4 (DIN 53812). With a diameter of 24 µm, the polymer fibres are non-respirable and cannot readily penetrate into the pulmonary regions of the lung.

Acute effects:

Inhalation:	May cause mild respiratory irritation.
Skin contact:	May cause transient skin irritation.
Eye contact:	May cause transient eye irritation.
Ingestion:	May cause gastrointestinal irritation.

Chronic effects: No chronic effects known.

12. Ecological Information

The product does not meet the classification criteria for ecotoxicological endpoints in accordance with Regulation (EC) 1272/2008 (CLP), and the UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS, 6th revision).

13. Disposal Considerations

The material should be recovered for recycling if possible.

The product is not regulated as hazardous waste according to Directive 2001/118/EEC, nor is it listed on EU's list of wastes (2000/532/EC). This material is not classed as "Special Waste" under the Control of Pollution (Special Waste) Regulations 1996. Prior to disposal of large quantities of this material advice should be sought from the local Environment Agency Office.

14. Transport Information

UN no.	None.
ADR:	Not regulated.
RID:	Not regulated.
DOT:	Not regulated.
TGD:	Not regulated.
IMDG-class:	Not regulated.
IATA-DGR class:	Not regulated.

15. Regulatory Information

The text of this Safety Data Sheet is prepared in compliance with:

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and subsequent amendments.
- 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 (CLP), amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
- UN Globally Harmonized System of Classification and Labelling of Chemicals (6th revision).

16. Other Information

According to Chapter 1.5.2 of the UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Article 58 (2)(a), and Article 59(2)(b) of (EC) No 1272/2008 (CLP), which amends REACH article 31(1), safety data sheets (SDS) are only required for substances and mixtures that meet the harmonised criteria for physical, health or environmental hazards. Since this product does not meet these criteria, a SDS according to (EU) 2015/830 is not issued. In order to communicate relevant HSE-(health, safety and environmental-) information, this product safety information (PSI) is provided instead.

In accordance with REACH article 31(5), safety data sheets shall be supplied in an official language of the Member State(s) where the substance or mixture is placed on the market. This obligation, however, only applies for hazard-classified products which require a formal SDS. Since this product is not hazard-classified, the product safety information (PSI) is, in accordance with current regulation, provided in English language only.

REACH article 31(7) requires relevant exposure scenarios from the Chemical Safety Report (CSR) to be annexed to the SDS. However, according to REACH Annex I, section 0. (Introduction), subsection 0.6. no 4 and 5, exposure scenarios are only required for hazard-classified substances or mixtures. Since this product is not hazard-classified according to CLP, there is no requirement for exposure scenarios.