

Trade name: PROMAXON® D

issued: 12/12/2004

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## 1. Identification of the product and of the company

**Product name:** PROMAXON® D  
**Intended Product use:** Synthetic hydrated Calcium silicate powder, used for friction extender in brakepads and - linings, thixotropic agent in paints and coatings, dry liquid systems, parting agent for granulates, flame retardant and drip surpressant in thermoplastics and for other applications.

**Company**

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## 2. Composition / Information on ingredients

**Description:** White mineral, free flowing powder in the form of spherical particles with an open inner structure.

**Chemical characterisation:** It is manufactured from sand, lime and water  
Calcium Silicate Hydrate – XONOTLITE  
CAS nr. : 1344 – 95 – 2

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## 3. Hazard Identification

**Indication of the hazards:** The product in its final application: no hazards known.

By handling and processing the product: airborne dust can be released.

- As with most types of nuisance dust, excessive inhalation of dust may cause irritation of the airways.
- Eye contact with dust may lead to transient eye irritation or inflammation.
- Prolonged skin contact may lead to skin irritation.

**Specific risk information for humans and environment:** see section 7 and 8

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## 4. First aid measures

**Inhalation:** remove to fresh air and drink water  
**Ingestion:** drink water  
**Skin contact:** rinse the skin with water  
**Eye contact:** do not rub the eye, rinse out. If eye irritation or inflammation persists, seek medical advice.

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**5. Fire fighting measures:****Additional Information:** The product is mineral and non combustible.**6. Accidental spill / release measures:****Methods for cleaning up:** Dampen down any dust before putting into skips or use vacuum cleaner with correct filter.**7. Handling and storage**

**Handling:**

- Instructions for handling:
  - Dust, generated during handling and processing must be exhausted and the regulatory occupational exposure limits for total and respirable dust must be respected.
  - Work in a well ventilated area
  - Use tools with appropriate dust exhaust equipment
  - When total dust concentration is higher than occupational exposure limits (refer to local regulations), or when dust extraction is not available, use individual respiratory protective equipment.
  - Collect dust with a vacuum cleaner or soak with water before sweeping up.

**Storage:** Store in dry, covered and frost proof area.  
Close bags properly after use.

**8. Exposure controls / Personal protection**

When handling and processing, respect Occupational Exposure Limits for inhalable and respirable dust.

Check the latest Occupational Exposure Limits (OEL) for airborne contaminants that are applicable in your country.

Typical Occupational Exposure Limits (8hrs TWA) on the date of issue of this document are:

In mg/m <sup>3</sup>	Fraction	COUNTRY (2)												
		AT	BE	CH	DE(5)	DK	ES	FR	IE	IT	LU(5)	NL	SE	UK
Particles NOR (1)	Inhalable	15	10	10	10	10	10	10	10	10	10	10	10	10
	Respirable	6	3	3	3	5	3	5	4	3	3	5	5	4

(1) Particles NOR: particles not otherwise classified or regulated (nuisance dust).

(2) Country abbreviations on basis of IANA (Internet Assigned Numbers Authority)

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<b>Engineering controls:</b>	Ensure vacuum dust exhaust with correct filter when handling and/or processing.
<b>Personal protection:</b>	Avoid breathing dusts Avoid eye and skin contact Wear personal protective equipment appropriate to the task (see below)
- <b>Respiratory protection:</b>	Use appropriate respiratory equipment when exposures are likely or can be foreseen to exceed the Occupational Exposure Limits (e.g. for exposures up to 10 times the OEL use at least a P2 type dust mask. For higher exposure, use a P3 type mask).
- <b>Eye protection:</b>	Use safety glasses whenever dusts are produced.
- <b>Skin protection:</b>	Use working clothes and gloves to protect against direct skin contact

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## 9. Physical and chemical properties

**Appearance:** powder  
**Colour:** white

**Odour:** None

**Important safety parameters:**

<b>Boiling point / boiling range:</b>	n.a.
<b>Melting point / melting range:</b>	1540 °C
<b>Flash point:</b>	n.a.
<b>Flammability (solid, gaz):</b>	n.a.
<b>Flammability temperature:</b>	n.a.
<b>Autoflammability:</b>	n.a.
<b>Explosive properties (danger and limits):</b>	n.a.
<b>Oxidizing properties:</b>	n.a.
<b>Vapour pressure:</b>	n.a.
<b>Specific gravity:</b>	ca. 2600 kg/m <sup>3</sup>
<b>Solubility:</b>	
- water solubility:	0.5 g/l
- fat solubility:	n.a.
<b>pH value:</b>	9 - 10
<b>Partition coefficient (n-octanol/water):</b>	n.a.
<b>Viscosity:</b>	n.a.

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**10. Stability and reactivity** Nothing to report.

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## 11. Toxicological information

**Acute toxicity:** These Calcium Silicate powder is not expected to have significant acute toxicity. Apart from mild skin, throat, airway or eye irritation, workers producing this powder have reported no significant health complaints.

**Further information:** -

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**12. Ecological information** Nothing to report.

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**13. Disposal considerations**

**Product disposal:** Dispose in accordance with local legislation for nuisance mineral dust.  
**Packaging disposal:** Dispose according to local legislation

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**14. Transport information**

**Road transport:** Product is not classified as dangerous  
**Inland shipping transport:** Product is not classified as dangerous  
**Sea shipping transport:** Product is not classified as dangerous  
**Air transport:** Product is not classified as dangerous

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**15. Regulatory information**

**Labelling according to EEC – Directives:** not applicable.  
**Danger indication:** not applicable      Symbol: not applicable  
R – sentence: not applicable  
S – sentence: not applicable

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**16. Other information**

The health and safety information contained herein is believed to be accurate and correct based on our current knowledge at the date of issue and no liability can be accepted for any loss, injury or damage resulting from its use. It is intended as a guide for the safe handling, storage and use under normal conditions, but does not necessarily refer to the particular requirements of a customer when further advise should be obtained.

This data sheet and the information it contains is not intended to supersede any terms or conditions of sale and does not constitute a specification. Nothing contained herein is to be construed as a recommendation for use in violation of any patent or applicable laws or regulations.