

**SAFETY DATA SHEET****1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

PRODUCT NAME	ELOTEX SEAL80
RECOMMENDED USE	For industrial use only. Please check technical data sheet for more information. Waterproofing agent.
SUPPLIER	Elotex AG Industriestrasse 17a CH-6203 Sempach Station Switzerland  Phone +41 41 469 69 69 Fax +41 41 469 69 00

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

CHEMICAL FAMILY	Polymer blend based on polyvinyl alcohol and silane.			
<u>COMPONENT</u>	<u>CAS NUMBER</u>	<u>EC NUMBER</u>	<u>CONCENTRATION</u> %	<u>EC SYMBOL</u> <u>RISK</u> <u>PHRASES</u>
Alkyloxy silane			10 - 20	R36/38 XI

For full text of risk phrases, please refer to Section 16.

**3. HAZARDS IDENTIFICATION**

EMERGENCY OVERVIEW	Not classified as dangerous.
EYE SKIN CONTACT INHALATION INGESTION	Particulates may scratch eye surfaces and cause mechanical irritation. Repeated or prolonged skin contact may result in mild irritation. Dust is irritant to the respiratory tract. Ingestion may cause irritation of the gastrointestinal tract. Low oral toxicity.
PHYSICO-CHEMICAL	Dust may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.
ENVIRONMENTAL	Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.



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### 4. FIRST-AID MEASURES

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EYE	Immediate medical attention is not required. Irrigate with eyewash solution or clean water until pain is relieved. If symptoms develop, obtain medical attention.
SKIN CONTACT	Immediate medical attention is not required. Wash skin with soap and water. If symptoms develop, obtain medical attention.
INHALATION	Immediate medical attention is not required. Remove to fresh air. Get medical attention if irritation persists.
INGESTION	Treat symptomatically and supportively. Get medical attention.

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### 5. FIRE-FIGHTING MEASURES

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EXTINGUISHING MEDIA	Water Fog; Foam
UNSUITABLE MEDIA	CO2 Water Spray
SPECIAL FIREFIGHTING PROCEDURES	Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
FIRE & EXPLOSION HAZARDS	Product is a finely divided combustible powder and as such constitutes a potential fire hazard. Keep workplace dust levels below the stipulated exposure limits. Prohibit smoking and open flames. Avoid sparks or other sources of static electricity. Product contains low level of organic volatiles which may be emitted at elevated temperatures.
HAZARDOUS COMBUSTION PRODUCTS	Carbon monoxide, carbon dioxide, unknown hydrocarbons.

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### 6. ACCIDENTAL RELEASE MEASURES

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SPILL AND LEAK PROCEDURES	Avoid dispersal in air. Remove all sources of ignition. Possible dust explosion in air. Dampen spilt material. Sweep up and shovel into waste drums. Disposal should be in accordance with local, state or national legislation. Do not allow to enter drains, sewers or watercourses.
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For safety and environmental precautions, please review entire Safety Data Sheet for necessary information.

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**7. HANDLING AND STORAGE**

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STORAGE TEMPERATURE	Ambient.
HANDLING/STORAGE	Store in a cool, dry area away from heat, sparks or fire. Mechanical handling of the powder on inadequately grounded equipment can result in static electrical discharges. All handling equipment must be properly grounded. This product contains low levels of volatile organic material which could accumulate in the unvented headspace of drums or bulk storage vessels. Open drums in a well ventilated area: avoid breathing vapours. This material should not be spilled, dumped, or flushed into sewers or public waterways. Use care to minimise dust generation in normal use conditions.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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COMPONENT	EXPOSURE LIMITS
Dust	4 mg/m <sup>3</sup> TWA (respirable) 10 mg/m <sup>3</sup> TWA (Total inhalable)

**OCCUPATIONAL EXPOSURE CONTROLS**

VENTILATION REQUIREMENTS	Normal ventilation should be adequate for handling small volumes of material. For high volume activities, efficient air extraction should be provided to maintain dust levels below stipulated exposure limits.
EYE PROTECTION REQUIREMENTS	Goggles Protect against dust and particulates. Personal eye protection should conform to EN 166.
GLOVE REQUIREMENTS	The use of chemically resistant gloves is recommended. Gloves should conform to EN 374.
CLOTHING REQUIREMENTS CHANGE/REMOVAL OF CLOTHING	Uniforms, coveralls, or a lab coat should be worn. Remove contaminated clothing and laundry before reuse.
WASH REQUIREMENTS	Wash before eating, drinking, or using toilet facilities.
RESPIRATORY REQUIREMENTS	None required under normal handling conditions. Use approved dust mask if dust levels are irritating. Dust masks should conform to EN 149.

**SAFETY DATA SHEET****9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL FORM	Solid Powder.
COLOUR	white
ODOUR	odourless.
ODOUR THRESHOLD	Not available
pH AS IS	Not applicable
pH IN (10%) DISPERSION	7 - 8.5
OXIDIZING PROPERTIES	Not applicable
BOILING POINT	Not applicable
MELTING/FREEZING POINT	Not applicable
SOLUBILITY IN WATER	Soluble
PARTITION COEFFICIENT (n-octanol/water)	Not available
VISCOSITY	Not available
BULK DENSITY	220 - 320 kg/m <sup>3</sup>
EVAPORATION RATE	Not applicable
VAPOUR PRESSURE (mmHg)	Not applicable
VAPOUR DENSITY (air=1)	Not applicable
VOLATILES	< 2 %
VOLATILE ORGANIC COMPOUNDS	Not available
LOWER EXPLOSION LIMIT (%)	15.0 g/m <sup>3</sup>
UPPER EXPLOSION LIMIT (%)	Not applicable
AUTOFLAMMABILITY	> 200 °C
FLASH POINT	Not applicable
DUST EXPLOSION CLASS	ST 1
Kst VALUE	< 100 bar.m/s

**10. STABILITY AND REACTIVITY**

STABILITY	Stable
HAZARDOUS	Product contains low level of organic volatiles which may be emitted or released in application processes involving the use of heat. Vent all ovens and process vessels to the outside atmosphere.
DECOMPOSITION PRODUCTS	

**11. TOXICOLOGICAL INFORMATION**

EYE	Particulates may scratch eye surfaces and cause mechanical irritation.
SKIN	Repeated or prolonged skin contact may result in mild irritation.
INHALATION	Dust is irritant to the respiratory tract.
INGESTION	Ingestion may cause irritation of the gastrointestinal tract. Low oral toxicity.
EFFECTS OF CHRONIC EXPOSURE	Prolonged or frequent breathing of excess dust may cause an adverse respiratory effect.

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TARGET ORGANS	Not applicable.
PRODUCT INFORMATION	Unlikely to cause harmful effects under recommended conditions of handling and use.

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**12. ECOLOGICAL INFORMATION**

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POTENTIAL EFFECT ON ENVIRONMENT	Contributes to effluent BOD.
ECOTOXICITY	The product is predicted to have low toxicity to aquatic organisms.
AQUATIC TOXICITY	None Established
MOBILITY	Miscible in water, and likely to be transported considerable distances if allowed ingress to water.
PERSISTENCE AND DEGRADABILITY	Not readily biodegradable. This product is expected to be partially biodegradable.
POTENTIAL TO BIOACCUMULATE	The product has low potential for bioaccumulation.

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**13. DISPOSAL CONSIDERATIONS**

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WASTE DISPOSAL METHODS	Incineration is recommended. Waste disposal should be in accordance with existing Community, National and local regulations.
EMPTY CONTAINER WARNINGS	Packaging must be recycled or disposed of in each case according to national and local regulations.

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**14. TRANSPORT INFORMATION (See also section 9)**

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IATA CLASSIFICATION	Not classified as dangerous.
IMDG CLASSIFICATION	Not classified as dangerous.
ADR/RID	Not classified as dangerous.

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**15. REGULATORY INFORMATION**

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Not classified as dangerous.

EINECS	All components of this product are listed in EINECS or ELINCS.
TSCA	On the TSCA Inventory.
Canadian Domestic Substance List (DSL)	Is on DSL
Australia (AICS)	On the AICS Inventory.
China (IECSC)	On the IECSC Inventory.
Japan (ENCS)	On the ENCS Inventory.
Korea (KECI)	On the KECI Inventory.
Philippines (PICCS)	On the PICCS Inventory.

WASSERGEFÄHRDUNGSKLASSE      WGK 1(Calculated in accordance with Appendix 4 VwVwS)

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**16. OTHER INFORMATION**

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REPLACES VERSION DATED	29-09-2005
ORIGINAL DOCUMENT DATED	04-03-2004
FOR REGULATORY INFORMATION, CONTACT:	Markus von Arx Product Assurance Elotex AG/SA CH-6203 Sempach Station Switzerland Phone +41 41 469 69 69 Fax +41 41 469 69 00 www.elotex.com contact.elotex@elotex.com

**FULL TEXT OF RISK PHRASES FOR INGREDIENTS INDICATED IN SECTION 2:**

Alkyloxy silane                      R36/38 - Irritating to eyes and skin.

Directives 1999/45/EC and 91/155/EEC have been considered when compiling this SDS; the information is provided for health and safety assessment by an industrial user. Reference should be made to any relevant local or national health, safety, and environmental legislation. This information does not constitute indication of suitability for specific uses.