

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

PRODUCT NAME	Elotex ELOSET543
RECOMMENDED USE	For industrial use only. Please check technical data sheet for more information. Thickener
SUPPLIER	AkzoNobel Functional Chemicals Elotex AG Industriestrasse 17a CH-6203 Sempach Station Switzerland Phone +41 41 469 69 69 Fax +41 41 469 69 00 elotexregulatory.europe@akzonobel.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	Not Classified as Dangerous
EYE	Particulates may scratch eye surfaces and cause mechanical irritation.
SKIN CONTACT	Repeated or prolonged skin contact may result in mild irritation.
INHALATION	Dust is irritant to the respiratory tract.
INGESTION	No hazard in normal industrial use.
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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL FAMILY	Modified starch			
<u>COMPONENT</u>	<u>CAS NUMBER</u>	<u>EC NUMBER</u>	<u>CONCENTRATION</u> %	<u>EC SYMBOL/ RISK</u> <u>PHRASES</u>
No components which pose a risk				

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

SAFETY DATA SHEET

4. FIRST-AID MEASURES

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	None required.

5. FIRE-FIGHTING MEASURES

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.
HAZARDOUS COMBUSTION PRODUCTS	Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

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. Use care to minimise dust generation in normal use conditions.

SAFETY DATA SHEET**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****COMPONENT**

Starch

EXPOSURE LIMITS10 mg/m³ TWA (Total inhalable)4 mg/m³ TWA (respirable)**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

Wear rubber, neoprene, or vinyl gloves. 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 launder 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.

9. PHYSICAL AND CHEMICAL PROPERTIES**PHYSICAL FORM**

Solid

COLOUR

Powder.

ODOUR

Yellowish

ODOUR THRESHOLD

characteristic

pH AS IS

Not available

pH IN (10%) DISPERSION

Not applicable

OXIDIZING PROPERTIES

Not available

BOILING POINT

Not applicable

SOLUBILITY IN WATER

Not applicable

PARTITION COEFFICIENT (n-octanol/water)

soluble

BULK DENSITY

Not applicable

EVAPORATION RATE

Not available

VAPOUR PRESSURE (mmHg)

Not applicable

VAPOUR DENSITY (air=1)

Not applicable

VOLATILES

Not applicable

VOLATILE ORGANIC COMPOUNDS

< 2 %

LOWER EXPLOSION LIMIT (%)

Not available

UPPER EXPLOSION LIMIT (%)60 g/m³**AUTOFLAMMABILITY**

Not available

MINIMUM IGNITION ENERGY

400- 450°C

FLASH POINT

Not available

DUST EXPLOSION CLASS

Not applicable

Kst VALUE

ST 1

< 200 bar.m/s

SAFETY DATA SHEET

10. STABILITY AND REACTIVITY

STABILITY	Stable
HAZARDOUS	Material is stable under normal temperatures and pressures.
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	No hazard in normal industrial use.
EFFECTS OF CHRONIC EXPOSURE	Prolonged or frequent breathing of excess dust may cause an adverse respiratory effect.
TARGET ORGANS	Not applicable.
PRODUCT INFORMATION	Unlikely to cause harmful effects under recommended conditions of handling and use.

12. ECOLOGICAL INFORMATION

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	The product is soluble in water.
PERSISTENCE AND DEGRADABILITY	The product, by analogy, is expected to be substantially biodegradable
POTENTIAL TO BIOACCUMULATE	The product has low potential for bioaccumulation.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS	Incineration is recommended. Waste disposal should be in accordance with existing Community, National and local regulations.
EMPTY CONTAINER	Packaging must be recycled or disposed of in each case according to national and local regulations.
WARNINGS	
EU WASTE NO.	08 04 10

SAFETY DATA SHEET**14. TRANSPORT INFORMATION (See also section 9)**

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

15. REGULATORY INFORMATION

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)	On the DSL Inventory.
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)

16. OTHER INFORMATION

REPLACES VERSION DATED
ORIGINAL DOCUMENT DATED 21-10-2010
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FULL TEXT OF RISK PHRASES FOR INGREDIENTS INDICATED IN SECTION 3:

This 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.