

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SEAL81

Version	Revision Date:	SDS Number:	Date of last issue: 2025/01/28
1.6	2025/01/29	000000048943	Date of first issue: 2020/10/14

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ELOTEX SEAL81
Product code : 000000000027021074

Chemical nature : Dispersion powder

Manufacturer or supplier's details

Company : Celanese (Shanghai) International Trading Co., Ltd
Address : 4560 Jinke Road, Zhangjiang, Pudong
Shanghai, China 201210
Telephone : 86-21-38619288
Emergency telephone number : CHEMTREC International phone number: +1-703-527 3887,
+86 532 8388-9090 (China, 24h)
E-mail address : HazCom@celanese.com

Recommended use of the chemical and restrictions on use

Recommended use : For industrial use only.

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	: powder
Colour	: white
Odour	: slight

Causes skin irritation.

GHS Classification

Skin corrosion/irritation : Category 2

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H315 Causes skin irritation.

Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves.
Response:

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SEAL81

Version 1.6 Revision Date: 2025/01/29 SDS Number: 000000048943 Date of last issue: 2025/01/28
Date of first issue: 2020/10/14

P302 + P352 IF ON SKIN: Wash with plenty of water.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Physical and chemical hazards

Not classified based on available information.

Health hazards

Causes skin irritation.

Environmental hazards

Not classified based on available information.

Other hazards which do not result in classification

Risk of dust explosion.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
dolomite	16389-88-1	≥ 70 -< 90
triethoxyoctylsilane	2943-75-1	≥ 10 -< 20

4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : Remove to fresh air.
Keep patient warm and at rest.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : Remove contaminated clothing and shoes.
Wash off immediately with plenty of water.
If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.

In case of eye contact : Rinse with plenty of water.
Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water.
Never give anything by mouth to an unconscious person.
Keep respiratory tract clear.
Do not give milk or alcoholic beverages.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SEAL81

Version 1.6	Revision Date: 2025/01/29	SDS Number: 000000048943	Date of last issue: 2025/01/28 Date of first issue: 2020/10/14
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Most important symptoms and effects, both acute and delayed	: If symptoms persist, call a physician. Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Notes to physician	: Causes skin irritation.
	: Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Water mist Foam Carbon dioxide (CO ₂)
Unsuitable extinguishing media	: High volume water jet High volume water jet
Specific hazards during fire-fighting	: Risks of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges.
Hazardous combustion products	: No hazardous combustion products are known
Specific extinguishing methods	: Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus. Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment. Avoid dust formation. Avoid breathing dust.
Environmental precautions	: Try to prevent the material from entering drains or water courses. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for	: Shovel or sweep up.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SEAL81

Version	Revision Date:	SDS Number:	Date of last issue: 2025/01/28
1.6	2025/01/29	000000048943	Date of first issue: 2020/10/14

containment and cleaning up Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Advice on protection against fire and explosion : No sparking tools should be used.
Take measures to prevent the build up of electrostatic charge.

Avoid dust formation.
Provide appropriate exhaust ventilation at places where dust is formed.

Advice on safe handling : Avoid creating dust.
Keep away from fire, sparks and heated surfaces.
Avoid formation of respirable particles.
Do not breathe vapors/dust.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.

Avoidance of contact : None known.
Not applicable

Storage

Conditions for safe storage : Keep in a dry place.
Store at room temperature in the original container.
Keep container tightly closed in a dry and well-ventilated place.
Electrical installations / working materials must comply with the technological safety standards.
Keep container tightly closed in a dry and well-ventilated place.
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

Keep in a dry place.
Keep in a dry place.
No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
dolomite	16389-88-1	PC-TWA (Total dust)	8 mg/m ³	CN OEL
		PC-TWA (Respirable dust)	4 mg/m ³	CN OEL

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SEAL81

Version	Revision Date:	SDS Number:	Date of last issue: 2025/01/28
1.6	2025/01/29	000000048943	Date of first issue: 2020/10/14

Personal protective equipment

Respiratory protection	:	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
Filter type	:	Particulates type
Eye/face protection	:	Eye wash bottle with pure water Tightly fitting safety goggles
Skin and body protection	:	Dust impervious protective suit Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hand protection	:	
Directive	:	Protective gloves complying with EN 374.
Remarks	:	The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Hygiene measures	:	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Colour	:	white
Odour	:	slight
pH	:	8.0 - 11.0 Concentration: 10 %
Melting point/ range	:	Not applicable
Boiling point/boiling range	:	Not applicable
Flash point	:	Not applicable
Flammability (solid, gas)	:	Not classified as a flammability hazard, May form combustible dust concentrations in air during processing, handling or other means.
Upper explosion limit / Upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	15.000 mg/m3
Vapour pressure	:	Not applicable
Relative vapour density	:	Not applicable
Relative density	:	Not applicable

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SEAL81

Version	Revision Date:	SDS Number:	Date of last issue: 2025/01/28
1.6	2025/01/29	000000048943	Date of first issue: 2020/10/14

Bulk density	:	600 - 800 kg/m ³
Solubility(ies)	:	
Water solubility	:	dispersible
Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	> 200 °C
		Method: DIN EN 50281-2-1
Viscosity	:	
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Dust explosion class	:	St1
Particle characteristics	:	
Particle size	:	ca. 60 - 120 µm
		Method: ISO 13320
		Physical state, agglomerates
		< 1 µm
		Method: OECD Test Guideline 110
		nano particles, Physical state, aggregates

10. STABILITY AND REACTIVITY

Reactivity	:	Stable under normal conditions.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Stable under recommended storage conditions.
	:	No decomposition if stored and applied as directed.
	:	Dust can form an explosive mixture in air.
	:	No decomposition if stored and applied as directed.
	:	Dust may form explosive mixture in air.
Conditions to avoid	:	No data available
Incompatible materials	:	None known.
	:	Not applicable

Hazardous decomposition products

Thermal decomposition	:	No data available
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11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified due to lack of data.

Components:

dolomite:

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
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SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SEAL81

Version	Revision Date:	SDS Number:	Date of last issue: 2025/01/28
1.6	2025/01/29	000000048943	Date of first issue: 2020/10/14

triethoxyoctylsilane:

Acute oral toxicity : LD50 (Rat): > 5,100 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rat): 6,730 mg/kg
Method: OECD Test Guideline 402

Skin corrosion/irritation

Causes skin irritation.

Product:

Remarks : May cause skin irritation in susceptible persons.

Components:

triethoxyoctylsilane:

Species : Rabbit
Exposure time : 4 h
Method : OECD Test Guideline 404
Result : irritating
Remarks : Information taken from reference works and the literature.

Remarks : May cause skin irritation in susceptible persons.

Serious eye damage/eye irritation

Not classified due to lack of data.

Product:

Remarks : Product dust may be irritating to eyes, skin and respiratory system.

Components:

triethoxyoctylsilane:

Remarks : Product dust may be irritating to eyes, skin and respiratory system.

Respiratory or skin sensitisation

Skin sensitisation

Not classified due to lack of data.

Respiratory sensitisation

Not classified due to lack of data.

Germ cell mutagenicity

Not classified due to lack of data.

Carcinogenicity

Not classified due to lack of data.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SEAL81

Version	Revision Date:	SDS Number:	Date of last issue: 2025/01/28
1.6	2025/01/29	000000048943	Date of first issue: 2020/10/14

Reproductive toxicity

Not classified due to lack of data.

STOT - single exposure

Not classified due to lack of data.

STOT - repeated exposure

Not classified due to lack of data.

Aspiration toxicity

Not classified due to lack of data.

Further information

Product:

Remarks : No data available

Components:

triethoxyoctylsilane:

Remarks : No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

dolomite:

Toxicity to fish : LC50 (Fish): > 1,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : (Daphnia): > 5,000 mg/l
aquatic invertebrates Exposure time: 48 h

Persistence and degradability

Product:

Biodegradability : Result: Not readily biodegradable.

BOD/COD : Remarks: No data available

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Mobility in soil

No data available

Other adverse effects

Product:

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ELOTEX SEAL81

Version	Revision Date:	SDS Number:	Date of last issue: 2025/01/28
1.6	2025/01/29	000000048943	Date of first issue: 2020/10/14

Additional ecological information : No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local regulations. The product should not be allowed to enter drains, water courses or the soil. Send to a licensed waste management company.
Contaminated packaging	: Empty remaining contents. Empty containers should be taken to local recyclers for disposal. Dispose of as unused product. Do not re-use empty containers. Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number	: Not applicable
Proper shipping name	: Not applicable
Class	: Not applicable
Subsidiary risk	: Not applicable
Packing group	: Not applicable
Labels	: Not applicable
Environmentally hazardous	: no

IATA-DGR

UN/ID No.	: Not applicable
Proper shipping name	: Not applicable
Class	: Not applicable
Subsidiary risk	: Not applicable
Packing group	: Not applicable
Labels	: Not applicable
Packing instruction (cargo aircraft)	: Not applicable
Packing instruction (passenger aircraft)	: Not applicable

IMDG-Code

UN number	: Not applicable
Proper shipping name	: Not applicable
Class	: Not applicable
Subsidiary risk	: Not applicable
Packing group	: Not applicable
Labels	: Not applicable
EmS Code	: Not applicable

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ELOTEX SEAL81

Version	Revision Date:	SDS Number:	Date of last issue: 2025/01/28
1.6	2025/01/29	000000048943	Date of first issue: 2020/10/14

Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

GB 6944/12268

UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
Marine pollutant	:	no

Special precautions for user

Not applicable

15. REGULATORY INFORMATION

National regulatory information

Law on the Prevention and Control of Occupational Diseases

Regulations on Safety Management of Hazardous Chemicals

Catalogue of Hazardous Chemicals : applicable

Identification of Major Hazard Installations for Hazardous Chemicals (GB 18218) : Not listed

Hazardous Chemicals for Priority Management under SAWS : Not listed

Regulations on Labour Protection in Workplaces where Toxic Substances are Used

Catalogue of Highly Toxic Chemicals : Not listed

Regulation of Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals

China Severely Restricted Toxic Chemicals for Import and Export : Not listed

Regulation on the Administration of Precursor Chemicals

Catalogue and Classification of Precursor Chemicals : Not listed

16. OTHER INFORMATION

Revision Date	:	2025/01/29
Date format	:	yyyy/mm/dd

Full text of other abbreviations

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ELOTEX SEAL81

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1.6	2025/01/29	000000048943	Date of first issue: 2020/10/14

CN OEL : Occupational exposure limits for hazardous agents in the workplace - Chemical hazardous agents.

CN OEL / PC-TWA : Permissible concentration - time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Disclaimer

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