

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SRT100

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2024/07/10	000000048945	Date of first issue: 2020/10/14

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ELOTEX SRT100

Product code : 000000000027021106

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

May be harmful if swallowed. May cause damage to organs (Peripheral nervous system) through prolonged or repeated exposure if swallowed.

GHS Classification

Acute toxicity (Oral) : Category 5

Specific target organ toxicity - repeated exposure (Oral) : Category 2 (Peripheral nervous system)

GHS label elements

Hazard pictograms :



Signal word : Warning

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SRT100

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2024/07/10	000000048945	Date of first issue: 2020/10/14

Hazard statements : H303 May be harmful if swallowed.
H373 May cause damage to organs (Peripheral nervous system) through prolonged or repeated exposure if swallowed.

Precautionary statements : **Prevention:**
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Response:
P312 Call a POISON CENTER/ doctor if you feel unwell.
Disposal:
P501 Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

Physical and chemical hazards

Not classified based on available information.

Health hazards

May be harmful if swallowed. May cause damage to organs through prolonged or repeated exposure if swallowed.

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)
triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane	51851-37-7	>= 30 -< 50
dolomite	16389-88-1	>= 1 -< 10
tetraethyl silicate	78-10-4	>= 1 -< 10

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.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SRT100

Version 1.1	Revision Date: 2024/07/10	SDS Number: 000000048945	Date of last issue: - Date of first issue: 2020/10/14
----------------	------------------------------	-----------------------------	--

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| In case of skin contact | : Remove contaminated clothing and shoes.
Wash off immediately with plenty of water.

Take off contaminated clothing and shoes immediately. |
| In case of eye contact | : Rinse with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.

Flush eyes with water as a precaution.
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.

Induce vomiting immediately and call a physician.
Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
If symptoms persist, call a physician.
Take victim immediately to hospital. |
| Most important symptoms and effects, both acute and delayed | : May be harmful if swallowed.
May cause damage to organs through prolonged or repeated exposure if swallowed. |
| Notes to physician | : Treat symptomatically. |

5. FIREFIGHTING MEASURES

- | | |
|---|---|
| Suitable extinguishing media | : Water mist
Foam |
| Unsuitable extinguishing media | : Carbon dioxide (CO ₂)
High volume water jet |
| Specific hazards during firefighting | : 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 | : Fluorine compounds
Silicon oxides
Carbon oxides |
| 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. |

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SRT100

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2024/07/10	000000048945	Date of first issue: 2020/10/14

6. ACCIDENTAL RELEASE MEASURES

- | | | |
|---|---|---|
| Personal precautions, protective equipment and emergency procedures | : | Avoid dust formation.
Avoid breathing dust. |
| Environmental precautions | : | Try to prevent the material from entering drains or water courses.

Prevent product from entering drains.
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 containment and cleaning up | : | Shovel or sweep 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.

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 vapours/dust.
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. |
| Further information on storage stability | : | No decomposition if stored and applied as directed. |

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SRT100

Version
1.1

Revision Date:
2024/07/10

SDS Number:
000000048945

Date of last issue: -
Date of first issue: 2020/10/14

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
tetraethyl silicate	78-10-4	TWA	10 ppm	ACGIH

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

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 : 6.0 - 9.0
Concentration: 10.0 %

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SRT100

Version 1.1	Revision Date: 2024/07/10	SDS Number: 000000048945	Date of last issue: - Date of first issue: 2020/10/14
----------------	------------------------------	-----------------------------	--

Melting point/range	: Not applicable
Boiling point/boiling range	: Not applicable
Flash point	: Not applicable
Flammability (solid, gas)	: The product is not flammable., Combustible Solids, May form combustible dust concentrations in air.
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
Bulk density	: 250 - 450 kg/m3
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 size	: ca. 60 - 120 µm Method: ISO 13320 Physical state, agglomerates < 1 µm Method: OECD Test Guideline 110 nano particles, Physical state, aggregates

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SRT100

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2024/07/10	000000048945	Date of first issue: 2020/10/14

10. STABILITY AND REACTIVITY

Reactivity	: Stable under normal conditions. No decomposition if stored and applied as directed.
Chemical stability	: Stable under recommended storage conditions. No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: 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

11. TOXICOLOGICAL INFORMATION

Acute toxicity

May be harmful if swallowed.

Components:

triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane:

Acute oral toxicity	: LD50 (Rat): > 2,000 mg/kg
Acute inhalation toxicity	: Remarks: Not classified due to data which are conclusive although insufficient for classification.
Acute dermal toxicity	: LD50 (Rat): > 2,000 mg/kg

dolomite:

Acute oral toxicity	: LD50 (Rat): > 5,000 mg/kg
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tetraethyl silicate:

Acute oral toxicity	: LD50 (Rat): > 2,500 mg/kg
Acute inhalation toxicity	: LC50 (Rat): > 10 - 20 mg/l Exposure time: 4 h Test atmosphere: vapour Method: OECD Test Guideline 403

Skin corrosion/irritation

Not classified based on available information.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SRT100

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2024/07/10	000000048945	Date of first issue: 2020/10/14

Components:

triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane:

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Components:

triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane:

Species	:	Rabbit
Result	:	No eye irritation
Method	:	OECD Test Guideline 405

tetraethyl silicate:

Result	:	Eye irritation
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Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane:

Method	:	OECD Test Guideline 406
Result	:	Not a skin sensitizer.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

May cause damage to organs (Peripheral nervous system) through prolonged or repeated exposure if swallowed.

Components:

triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane:

Target Organs	:	Peripheral nervous system
Assessment	:	The substance or mixture is classified as specific target organ

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SRT100

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2024/07/10	000000048945	Date of first issue: 2020/10/14

toxicant, repeated exposure, category 2.

Repeated dose toxicity

Components:

triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane:

Species	:	Rat
NOAEL	:	50 mg/kg
Application Route	:	Oral
Target Organs	:	Peripheral nervous system

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks : No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane:

Toxicity to algae/aquatic plants : (algae): Method: OECD Test Guideline 201
Remarks: No toxicity at the limit of solubility

Toxicity to microorganisms : (Bacteria): Remarks: No toxicity at the limit of solubility

dolomite:

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

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

tetraethyl silicate:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 245 mg/l
Exposure time: 96 h
Test Type: semi-static test

Persistence and degradability

Product:

Biodegradability : Result: Not readily biodegradable.

BOD/COD : Remarks: No data available

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SRT100

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2024/07/10	000000048945	Date of first issue: 2020/10/14

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Mobility in soil

No data available

Other adverse effects

Product:

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.

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.

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

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

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SRT100

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2024/07/10	000000048945	Date of first issue: 2020/10/14

Packing instruction : Not applicable
(passenger aircraft)

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
Marine pollutant : Not applicable

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

Special precautions for user

Not applicable

15. REGULATORY INFORMATION

National regulatory information

Law on the Prevention and Control of Occupational Diseases

16. OTHER INFORMATION

Revision Date : 2024/07/10

Date format : yyyy/mm/dd

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
CN OEL : Occupational exposure limits for hazardous agents in the workplace - Chemical hazardous agents.

ACGIH / TWA : 8-hour, time-weighted average
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

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX SRT100

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2024/07/10	000000048945	Date of first issue: 2020/10/14

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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