

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## ELOTEX FL1200

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/08/24	000000048935	Date of first issue: 2020/10/14

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### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ELOTEX FL1200

Product code : 000000000027021017

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 :

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.

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### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance	: powder
Colour	: white
Odour	: mild

Not a hazardous substance or mixture.

#### GHS Classification

Not a hazardous substance or mixture.

#### GHS label elements

Not a hazardous substance or mixture.

#### Physical and chemical hazards

Not classified based on available information.

#### Health hazards

Not classified based on available information.

#### Environmental hazards

Not classified based on available information.

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### 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	$\geq 10$ -< 20
2,2'-ethylenedioxydiethyl bis(2-ethylhexanoate)	94-28-0	$\geq 2.5$ -< 10

### 4. FIRST AID MEASURES

General advice : 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.

In case of eye contact : Rinse with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
Remove contact lenses.  
Protect unharmed eye.  
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.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : None known.

Notes to physician : Treat symptomatically.

### 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water mist  
Foam

Unsuitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
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 prod- : No hazardous combustion products are known

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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	: Avoid dust formation. Avoid dust formation.
Environmental precautions	: Try to prevent the material from entering drains or water courses.  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.  Pick up and arrange disposal without creating dust. Sweep up and shovel. 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. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.
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
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Materials to avoid : the technological safety standards.  
No materials to be especially mentioned.

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

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 <sup>3</sup>	CN OEL
		PC-TWA (Respirable dust)	4 mg/m <sup>3</sup>	CN OEL

#### 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 : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder

Colour : white

Odour : mild

pH : 8.00 - 9.00  
Concentration: 10.0 %

Melting point/range : Not applicable

Boiling point/boiling range : Not applicable

Flash point : Not applicable

Flammability (solid, gas) : The product is not flammable.

Upper explosion limit / Upper flammability limit : Not applicable

Lower explosion limit / Lower flammability limit : 15.000 mg/m<sup>3</sup>

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Vapour pressure	:	Not applicable
Relative vapour density	:	Not applicable
Relative density	:	Not applicable
Bulk density	:	530 - 630 kg/m <sup>3</sup>
Solubility(ies)	:	
Water solubility	:	dispersible
Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	> 300 °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

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### 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. Stable under recommended storage conditions. No hazards to be specially mentioned. 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 based on available information.

#### Product:

Acute oral toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
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Acute inhalation toxicity : Acute toxicity estimate: > 10 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

### Components:

#### **dolomite:**

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

#### **2,2'-ethylenedioxydiethyl bis(2-ethylhexanoate):**

Acute oral toxicity : LD50 (Rat, female): > 2,000 mg/kg  
Method: OECD Test Guideline 420

Acute inhalation toxicity : LC50 (Rat, male): > 2 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 402

### **Skin corrosion/irritation**

Not classified based on available information.

### Components:

#### **2,2'-ethylenedioxydiethyl bis(2-ethylhexanoate):**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Mild skin irritation

### **Serious eye damage/eye irritation**

Not classified based on available information.

### Components:

#### **2,2'-ethylenedioxydiethyl bis(2-ethylhexanoate):**

Species : Rabbit  
Result : Mild eye irritant  
Method : OECD Test Guideline 405  
Remarks : Based on available data, the classification criteria are not met.

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

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### Respiratory sensitisation

Not classified based on available information.

#### Components:

##### **2,2'-ethylenedioxydiethyl bis(2-ethylhexanoate):**

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

### Germ cell mutagenicity

Not classified based on available information.

#### Components:

##### **2,2'-ethylenedioxydiethyl bis(2-ethylhexanoate):**

Genotoxicity in vitro	: Test Type: Ames test Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative
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	Test Type: In vitro mammalian cell gene mutation test Test system: mouse lymphoma cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative
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### Carcinogenicity

Not classified based on available information.

#### Components:

##### **2,2'-ethylenedioxydiethyl bis(2-ethylhexanoate):**

Result	: No evidence of carcinogenicity in animal studies.
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### Reproductive toxicity

Not classified based on available information.

#### Components:

##### **2,2'-ethylenedioxydiethyl bis(2-ethylhexanoate):**

Effects on fertility	: Species: Rat Application Route: Oral General Toxicity - Parent: NOAEL: 977 - 1,563 mg/kg body weight Method: OECD Test Guideline 422 Result: No adverse reproductive / developmental effects at the highest dose tested
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### STOT - single exposure

Not classified based on available information.

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### STOT - repeated exposure

Not classified based on available information.

### Repeated dose toxicity

#### Components:

#### **2,2'-ethylenedioxydiethyl bis(2-ethylhexanoate):**

Species	:	Rat
NOAEL	:	314 - 576
Application Route	:	Oral
Exposure time	:	28d
Remarks	:	No adverse effects

### Aspiration toxicity

Not classified based on available information.

### Further information

#### Product:

Remarks	:	No data available
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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

#### **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

#### **2,2'-ethylenedioxydiethyl bis(2-ethylhexanoate):**

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): > 97 mg/l
		Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 38.7 mg/l
		Exposure time: 48 h
		Method: 88/302/EEC

Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): > 55 mg/l
		Exposure time: 72 h
		Method: 88/302/EEC

Toxicity to microorganisms	:	EC10 (Pseudomonas putida): > 1,934 mg/l
		Exposure time: 5 h



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### Persistence and degradability

#### Product:

Biodegradability : Result: Not readily biodegradable.

BOD/COD : Remarks: No data available

#### Components:

##### **2,2'-ethylenedioxydiethyl bis(2-ethylhexanoate):**

Biodegradability : BODIS (BOD Test for insoluble substances)  
Result: Readily biodegradable.  
Biodegradation: 92 %  
Exposure time: 28 d

### Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Additional ecological information : No data available

#### Components:

##### **2,2'-ethylenedioxydiethyl bis(2-ethylhexanoate):**

Results of PBT and vPvB assessment : The substance does not meet the criteria for PBT / vPvB according to REACH, Annex XIII

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## 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.
Contaminated packaging	: Empty remaining contents. Empty containers should be taken to local recyclers for disposal. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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### 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
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
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

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### 15. REGULATORY INFORMATION

#### National regulatory information

Law on the Prevention and Control of Occupational Diseases

### 16. OTHER INFORMATION

Date format : yyyy/mm/dd

#### Full text of other abbreviations

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guid-

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