

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## ELOTEX HD1500

Version	Revision Date:	SDS Number:	Date of last issue: 2021/07/02
1.3	2021/08/25	000000048938	Date of first issue: 2020/10/14

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ELOTEX HD1500

Product code : 000000000027021093

Chemical nature : Dispersion powder

#### Manufacturer or supplier's details

Company : Celanese (Shanghai) International Trading Co., Ltd  
赛拉尼斯(上海)国际贸易有限公司

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	: 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.

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### 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	$\geq 10$ -< 20
formic acid	64-18-6	$\geq 0.1$ -< 0.25

## 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.

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### 5. FIREFIGHTING MEASURES

- |   |   |   |
|---|---|---|
| Suitable extinguishing media                  | : | Water mist<br>Foam  |
| Unsuitable extinguishing media                | : | Carbon dioxide (CO <sub>2</sub> )<br>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                 | : | No hazardous combustion products are known  |
| Specific extinguishing methods                | : | Standard procedure for chemical fires.<br>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.<br><br>Wear self-contained breathing apparatus for firefighting if necessary.            |

### 6. ACCIDENTAL RELEASE MEASURES

- |   |   |  |
|---|---|--|
| Personal precautions, protective equipment and emergency procedures | : | Avoid dust formation.  |
| Environmental precautions   | : | Try to prevent the material from entering drains or water courses.<br><br>If the product contaminates rivers and lakes or drains inform respective authorities.  |
| Methods and materials for containment and cleaning up               | : | Shovel or sweep up.<br>Keep in suitable, closed containers for disposal.<br><br>Pick up and arrange disposal without creating dust.<br>Sweep up and shovel.<br>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.<br>Take measures to prevent the build up of electrostatic charge.<br><br>Provide appropriate exhaust ventilation at places where dust is formed. |
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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 the technological safety standards.

Materials to avoid : 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
formic acid	64-18-6	PC-TWA	10 mg/m <sup>3</sup>	CN OEL
		PC-STEL	20 mg/m <sup>3</sup>	CN OEL
		TWA	5 ppm	ACGIH
		STEL	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

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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	:	5.5 - 7.5 Concentration: 10.0000 %
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/m3
Vapour pressure	:	Not applicable
Relative vapour density	:	Not applicable
Relative density	:	Not applicable
Bulk density	:	470 - 570 kg/m3
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

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Viscosity, kinematic	:	Not applicable
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Dust explosion class	:	St1

### 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 inhalation toxicity	:	Acute toxicity estimate: > 40 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
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#### Components:

##### **dolomite:**

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
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##### **formic acid:**

Acute oral toxicity	:	LD50 (Rat): 730 - 1,830 mg/kg
Acute inhalation toxicity	:	LC50: 7.4 mg/l

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Exposure time: 4 h  
Test atmosphere: vapour

### Skin corrosion/irritation

Not classified based on available information.

#### Components:

##### formic acid:

Species	:	Rabbit
Result	:	Corrosive

### Serious eye damage/eye irritation

Not classified based on available information.

#### Components:

##### formic acid:

Species	:	Rabbit
Result	:	Corrosive

### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.

#### Respiratory sensitisation

Not classified based on available information.

#### Components:

##### formic acid:

Result	:	positive
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### Germ cell mutagenicity

Not classified based on available information.

#### Components:

##### formic acid:

Genotoxicity in vivo	:	Result: negative
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### Carcinogenicity

Not classified based on available information.

### Reproductive toxicity

Not classified based on available information.

#### Components:

##### formic acid:

Effects on fertility	:	Species: Rat
		Application Route: Inhalation
		Dose: at a dose level of 128 ppm

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Duration of Single Treatment: 90 d  
Result: No effect on testis or epididymal weights or sperm motility or density.

### STOT - single exposure

Not classified based on available information.

### STOT - repeated exposure

Not classified based on available information.

### Aspiration toxicity

Not classified based on available information.

### Further information

#### Product:

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 (water flea)): > 5,000 mg/l  
aquatic invertebrates Exposure time: 48 h

##### **formic acid:**

Toxicity to fish : LC0 (Carassius auratus (goldfish)): 46 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 151 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic : EC50 (Selenastrum capricornutum (green algae)): 25 mg/l  
plants Exposure time: 96 h

Toxicity to fish (Chronic : LC50 (Leuciscus idus (Golden orfe)): 122 mg/l  
toxicity) Exposure time: 48 h  
Test Type: static conditions

Toxicity to microorganisms : EC50 (Pseudomonas putida): 46.7 mg/l  
Exposure time: 17 h

### Persistence and degradability

#### Product:

Biodegradability : Result: Not readily biodegradable.



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BOD/COD : Remarks: No data available

### Components:

#### **formic acid:**

Biodegradability : Inoculum: activated sludge  
Biodegradation: 40 - 70 %  
Exposure time: 1 d

#### **Bioaccumulative potential**

### Product:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

### Components:

#### **formic acid:**

Bioaccumulation : Bioconcentration factor (BCF): 3.2

#### **Mobility in soil**

No data available

#### **Other adverse effects**

### Product:

Additional ecological information : No data available

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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**

Not regulated as a dangerous good

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### IATA-DGR

Not regulated as a dangerous good

### IMDG-Code

Not regulated as a dangerous good

### 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

Not regulated as a dangerous good

### Special precautions for user

Not applicable

## 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

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  
ACGIH / STEL : Short-term exposure limit  
CN OEL / PC-TWA : Permissible concentration - time weighted average  
CN OEL / PC-STEL : Permissible concentration - short term exposure limit

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 -

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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; 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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