

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



ELOTEX HD1510

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2021/08/25	000000048966	Date of first issue: 2020/10/15

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ELOTEX HD1510

Product code : 000000000027021095

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.

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	≥ 10 -< 20
formic acid	64-18-6	≥ 0.1 -< 0.25
methanol	67-56-1	≥ 0.1 -< 1

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 (CO₂)
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

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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.
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 the technological safety standards.
Materials to avoid	: No materials to be especially mentioned.

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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 ³	CN OEL
		PC-TWA (Respirable dust)	4 mg/m ³	CN OEL
formic acid	64-18-6	PC-TWA	10 mg/m ³	CN OEL
		PC-STEEL	20 mg/m ³	CN OEL
		TWA	5 ppm	ACGIH
		STEEL	10 ppm	ACGIH
methanol	67-56-1	PC-TWA	25 mg/m ³	CN OEL
	Further information: Skin			
		PC-STEEL	50 mg/m ³	CN OEL
	Further information: Skin			
		TWA	200 ppm	ACGIH
		STEEL	250 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
methanol	67-56-1	Methanol	Urine	End of shift (As soon as possible after exposure ceases)	15 mg/l	ACGIH BEI

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

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Odour	: mild
pH	: 5.50 - 7.50 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	: 480 - 580 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
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.

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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

Not classified based on available information.

Product:

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

Acute inhalation toxicity : Acute toxicity estimate: > 40 mg/l
Exposure time: 4 h
Test atmosphere: vapour
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

formic acid:

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

Acute inhalation toxicity : LC50: 7.4 mg/l
Exposure time: 4 h
Test atmosphere: vapour

methanol:

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

Acute inhalation toxicity : LC50: > 5 mg/l
Exposure time: 4 h
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Components:

formic acid:

Species : Rabbit

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Result : Corrosive

methanol:

Result : irritating

Serious eye damage/eye irritation

Not classified based on available information.

Components:

formic acid:

Species : Rabbit
Result : Corrosive

methanol:

Species : Rabbit
Result : Eye irritation

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

methanol:

Test Type : Maximisation Test
Species : Guinea pig
Result : Does not cause skin sensitisation.

Germ cell mutagenicity

Not classified based on available information.

Components:

formic acid:

Genotoxicity in vivo : Result: negative

methanol:

Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

Test Type: gene mutation test

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Test system: mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: positive

Test Type: sister chromatid exchange assay
Test system: Chinese hamster ovary cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 479
Result: negative

Genotoxicity in vivo : Remarks: ambiguous

Carcinogenicity

Not classified based on available information.

Components:

methanol:

Species : Rat
Application Route : Inhalation
Exposure time : Lifetime
Result : No evidence of carcinogenicity in animal studies.

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

methanol:

Effects on foetal development : Developmental Toxicity: 5,000
Result: Some indication of developmental toxicity in animals at non-physiological levels

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:

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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 tox- : LC50 (Leuciscus idus (Golden orfe)): 122 mg/l
icity) Exposure time: 48 h
Test Type: static conditions

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

methanol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 28,000 mg/l
Exposure time: 96 h
Test Type: flow-through test

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 24,500 mg/l
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic : (Selenastrum capricornutum (green algae)): 7.1 mg/l
plants

Toxicity to fish (Chronic tox- : LC50 (Lepomis macrochirus (Bluegill sunfish)): 15,400 mg/l
icity) Exposure time: 96 h
Test Type: flow-through test

Persistence and degradability

Product:

Biodegradability : Result: Not readily biodegradable.

BOD/COD : Remarks: No data available

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Components:

formic acid:

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

methanol:

Biodegradability : Biodegradation: 48 %
Exposure time: 5 d

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Components:

formic acid:

Bioaccumulation : Bioconcentration factor (BCF): 3.2

methanol:

Bioaccumulation : Bioconcentration factor (BCF): < 10
Remarks: Does not significantly accumulate in organisms.

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : No data available

Components:

methanol:

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

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 dis-

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posal.
Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

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)
ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)
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-STEEL	:	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 -

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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; 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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