

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## ATEVA® 2861A

Version	Revision Date:	SDS Number:	Date of last issue: 2019/05/02
1.2	2025/06/19	000000034418	Date of first issue: 2019/05/02

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ATEVA® 2861A  
Product code : 000000000020009365

#### 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 : Plastic processing industry

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance	: solid
Colour	: transparent
Odour	: mild, vinegar-like

Suspected of causing cancer.

#### GHS Classification

Carcinogenicity : Category 2

#### GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H351 Suspected of causing cancer.

Precautionary statements :

#### Prevention:

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

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### Response:

P308 + P313 IF exposed or concerned: Get medical advice/attention.

### Storage:

P405 Store locked up.

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Physical and chemical hazards

Not classified based on available information.

### Health hazards

Suspected of causing cancer.

### Environmental hazards

Not classified based on available information.

### Other hazards which do not result in classification

None known.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Acetic acid ethenyl ester polymer with ethane	24937-78-8	> 98
vinyl acetate	108-05-4	>= 0.1 -< 1

## 4. FIRST AID MEASURES

General advice	: Do not leave the victim unattended.
If inhaled	: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	: Cool skin rapidly with cold water after contact with molten material. Do not peel solidified product off the skin. Burns must be treated by a physician.
In case of eye contact	: Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed	: 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	: Suspected of causing cancer.
Notes to physician	: Treat symptomatically.

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### 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water  
Foam  
Dry chemical  
Carbon dioxide (CO<sub>2</sub>)
- Specific hazards during fire-fighting : Do not use a solid water stream as it may scatter and spread fire.
- Hazardous combustion products : Carbon oxides
- Specific extinguishing methods : Do not allow run-off from fire fighting to enter drains or water courses.  
Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.  
Avoid contact with the skin and the eyes.  
Avoid dust formation.  
Avoid breathing dust.
- Environmental precautions : Do not allow material to contaminate ground water system.  
Do not flush into surface water or sanitary sewer system.
- Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust.  
Sweep up and shovel.  
Use mechanical handling equipment.  
Keep in suitable, closed containers for disposal.

### 7. HANDLING AND STORAGE

#### Handling

- Advice on protection against fire and explosion : Provide appropriate exhaust ventilation at places where dust is formed.  
During processing, dust may form explosive mixture in air.
- Advice on safe handling : For personal protection see section 8.  
Use only with adequate ventilation.  
Smoking, eating and drinking should be prohibited in the application area.  
Minimize dust generation and accumulation.  
Do not breathe vapours/dust.

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Avoidance of contact : Avoid inhalation, ingestion and contact with skin and eyes.  
Handle in accordance with good industrial hygiene and safety practice.  
: Strong oxidizing agents

**Storage**

Conditions for safe storage : Store locked up.  
Keep container tightly closed in a dry and well-ventilated place.  
Maintain dryness of resin  
To maintain product quality, do not store in heat or direct sunlight.  
Electrical installations / working materials must comply with the technological safety standards.  
Observe label precautions.

Materials to avoid : No materials to be especially mentioned.

Further information on storage stability : 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
vinyl acetate	108-05-4	PC-TWA	10 mg/m <sup>3</sup>	CN OEL
Further information: G2B - Possibly carcinogenic to humans				
		PC-STEL	15 mg/m <sup>3</sup>	CN OEL
Further information: G2B - Possibly carcinogenic to humans				
		TWA	10 ppm	ACGIH
		STEL	15 ppm	ACGIH

**Engineering measures** : Local exhaust

### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.  
In the case of respirable dust and/or fumes, use self-contained breathing apparatus.

Eye/face protection : Safety glasses with side-shields

Skin and body protection : Protective suit

Hand protection

Remarks : Impervious gloves The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Hygiene measures : General industrial hygiene practice.  
Wash hands before breaks and at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : solid

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Colour	:	transparent
Odour	:	mild, vinegar-like
pH	:	Not applicable
Melting point/ range	:	For further information, refer to the product technical data sheet.
Boiling point/boiling range	:	Not applicable
Flash point	:	Not applicable
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Density	:	ca. 0.9 g/cm <sup>3</sup>
Solubility(ies) Water solubility	:	insoluble
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	> 330 °C
Decomposition temperature	:	> 300 °C
Viscosity Viscosity, kinematic	:	Not applicable
Particle characteristics Particle size	:	No data available

### 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	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	:	Strong oxidizing agents
Hazardous decomposition products	:	acetic acid

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### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified based on available information.

#### Components:

##### Acetic acid ethenyl ester polymer with ethane:

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

##### vinyl acetate:

Acute oral toxicity : LD50 (Rat): 3,500 mg/kg

Acute inhalation toxicity : LC50 (Rat): 15.810 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rabbit, male): 7,440 mg/kg

#### Skin corrosion/irritation

Not classified based on available information.

#### Components:

##### vinyl acetate:

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

#### Serious eye damage/eye irritation

Not classified based on available information.

#### Components:

##### vinyl acetate:

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

#### Respiratory or skin sensitisation

##### Skin sensitisation

Not classified based on available information.

##### Respiratory sensitisation

Not classified based on available information.

#### Components:

##### vinyl acetate:

Species : Mouse  
Method : OECD Test Guideline 429

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Result : Not a skin sensitizer.

### Germ cell mutagenicity

Not classified based on available information.

#### Components:

##### **vinyl acetate:**

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

Test Type: Chromosome aberration test in vitro  
Test system: human lymphoblastoid cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: positive

Method: OECD Test Guideline 487  
Result: positive

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse  
Method: OECD Test Guideline 474  
Result: ambiguous

Species: Mouse  
Remarks: negative

### Carcinogenicity

Suspected of causing cancer.

#### Components:

##### **vinyl acetate:**

Species : Rat  
Application Route : Inhalation  
Exposure time : 104 weeks  
: 0.176 mg/l  
Result : positive

Species : Rat  
Application Route : Oral  
Exposure time : 104 weeks  
: 31 mg/kg food  
Result : positive

### Reproductive toxicity

Not classified based on available information.

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### Components:

#### **vinyl acetate:**

Effects on fertility : Species: Rat  
Application Route: Oral  
General Toxicity - Parent: NOAEL: 1,000 mg/kg body weight  
Method: OECD Test Guideline 416  
Result: No toxicity to reproduction

Effects on foetal development : Species: Rat  
Application Route: Inhalation and oral drinking water  
Developmental Toxicity: 200  
Method: OECD Test Guideline 414  
Result: no adverse developmental effects

#### **STOT - single exposure**

Not classified based on available information.

#### **STOT - repeated exposure**

Not classified based on available information.

#### **Repeated dose toxicity**

### Components:

#### **vinyl acetate:**

Species : Rat  
NOAEL : 281 mg/kg  
Application Route : Oral  
Method : OECD Test Guideline 408

Species : Rat  
Application Route : Inhalation  
Method : OECD Test Guideline 453

#### **Aspiration toxicity**

Not classified based on available information.

#### **Further information**

### Product:

Remarks : No data available

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## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

### Components:

#### **Acetic acid ethenyl ester polymer with ethane:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 500 mg/l  
Exposure time: 96 h

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### vinyl acetate:

Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 12.6 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (microalgae)): 12.7 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to fish (Chronic toxicity)	:	NOEC (Pimephales promelas (fathead minnow)): 0.16 mg/l Exposure time: 34 d Method: OECD Test Guideline 210
Toxicity to microorganisms	:	EC3 (Pseudomonas putida): 6 mg/l Exposure time: 16 h

### Persistence and degradability

#### Components:

#### vinyl acetate:

Biodegradability	:	MITI Test Inoculum: activated sludge Result: Readily biodegradable. Method: OECD Test Guideline 301C
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### Bioaccumulative potential

#### Components:

#### vinyl acetate:

Bioaccumulation	:	Remarks: Does not bioaccumulate.
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### Mobility in soil

No data available

### Other adverse effects

#### Product:

Additional ecological information	:	No data available
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#### Components:

#### vinyl acetate:

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	:	Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 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
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

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Marine pollutant : no

### JT/T 617

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

### 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

## 16. OTHER INFORMATION

Revision Date	: 2025/06/19
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-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 - 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;

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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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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