

Product name	Ateva®		NAGH/EN
MSDS number	84029	Revision Date	Aug.01.2016
Revision Number	0	Issuing date	Aug.01.2016

1. Product and company identification

Trade Name

Ateva®

The following grades will be covered by this SDS:

Product Grade(s):

NSVA, NSVA1, NSVA2, NSVA3, NSVA4, NSVA5, NSVA6, UGFR

Manufacturer, importer, supplier

Celanese EVA Polymers

4405-101 Ave

P.O. Box 428

Edmonton, Alberta, Canada

T5J 2K1

Phone: 780 568-0800

Internet: www.Celanese.com

Transportation emergency phone numbers:

In USA, call 800 424 9300

Outside USA, call 703 527 3887, collect calls accepted.

Identified uses

Plastic processing industry.

2. Hazard Identification

GHS Classification

Hazards

Carcinogenicity

Category

Category 2

Label elements



Signal Word

Warning

Hazard Statements

Suspected of causing cancer

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Precautionary statements

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/ protective clothing/ eye protection/ face protection.

IF exposed or concerned: Get medical advice/attention.

Store locked up.

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

3. Composition/information on ingredients

Components	CAS-No	Percent %
E / VA-Copolymer	24937-78-8	> 99
Vinyl acetate	108-05-4	< 0.4

4. First aid measures**Skin**

Wash off immediately with soap and plenty of water. Cool skin rapidly with cold water after contact with molten polymer.

Do not peel solidified product off the skin. Obtain medical attention.

Eyes

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Inhalation

Move to fresh air. If symptoms persist, call a physician.

Ingestion

Get medical attention if symptoms occur.

5. Fire-fighting measures

NFPA: Health: 1

Flammability: 0

Instability: 0

Suitable extinguishing media

Water spray, Dry chemical, Carbon dioxide (CO₂), Foam

Extinguishing media which must not be used for safety reasons

Do not use a solid water stream as it may scatter and spread fire.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

Other Information

Potential dust explosion hazard. Keep people away from and upwind of fire.

6. Accidental release measures

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Personal precautions

Avoid dust formation. Avoid contact with the skin and the eyes. For personal protection see section 8.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up

Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations. Use mechanical handling equipment.

7. Handling and storage

Advice on safe handling

Do not handle hot or molten material without appropriate protective equipment. Do not exceed recommended process temperatures to minimize release of decomposition products. Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Protection - fire and explosion:

Avoid dust formation. Dust can form an explosive mixture in air.

Material storage

Store locked up. Keep in a dry, cool place.. To maintain product quality, do not store in heat or direct sunlight.

Incompatible products

strong oxidizing agents

8. Exposure controls / personal protection

OSHA Exposure Limits

Components	STEL
Vinyl acetate	20 PPM

ACGIH Exposure Limits

Components	TWA
Vinyl acetate	10 PPM

Components	STEL
Vinyl acetate	15 PPM

Mexico National Exposure Limits

Components	LMPE - PPT	
Vinyl acetate	30 mg/m ³	10 PPM

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Components	STEL	
Vinyl acetate	60 mg/m ³	20 PPM

Components	Mexican Carcinogen Category
Vinyl acetate	A3

Exposure controls

Engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Protective equipment

A safety shower and eyebath should be readily available.

General advice

Do not breathe dust. Avoid contact with skin and eyes. Do not handle hot or molten material without appropriate protective equipment..

Skin protection:

When thermal or melt processing, wear long pants, long sleeves, well insulated gloves, and face shield when there is a chance of contact..

Eye/face protection:

Safety glasses with side-shields.

9. Physical and chemical properties

Appearance

Form	Solid in various forms
Color	clear , to, white
Odor	Mild, acrid, vinegar-like
Autoignition Temperature	> 330 °C
Method	Estimated
Decomposition Temperature	> 300 °C
Melting Point	40 - 50 °C
Specific Gravity	0.91 - 0.95
Water solubility	Insoluble in water

10. Stability and reactivity

Chemical stability

Stable under normal conditions of handling, use and transportation.

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Conditions to avoid

Hazardous decomposition products may be produced when the recommended processing temperatures or times are exceeded. Avoid temperatures above 210°C

Incompatible Materials

strong oxidizing agents

Hazardous Combustion or Decomposition Products:

Carbon oxides

Possibility of hazardous reactions

Hazardous polymerization does not occur.

11. Toxicological information

Potential health effects

Routes of exposure Skin, Eyes

Immediate effects

Skin	Hot or molten material has the potential to cause thermal burns.
Eyes	Particulates may cause mechanical irritation.
Inhalation	Dust irritating to respiratory tract.
Ingestion	Essentially non-toxic based on components.
Other:	Vinyl Acetate is listed as an IARC 2B, possible human carcinogen based on animal data.

Vinyl acetate

Acute oral toxicity	LD50: 3500 mg/kg
Acute dermal toxicity	LD50: 7440 mg/kg
Acute inhalation toxicity	LC50 (4h): 15810 mg/m ³
Method	Standard Acute Method
Skin corrosion/irritation	Not irritating
Species	rabbit
Method	OECD 404
Skin Sensitization	nonsensitizer
Species	mouse female
Method	OECD 429
Serious eye damage/eye irritation	Not irritating
Species	rabbit eye
Method	OECD 405

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Carcinogenic effects

Species
Study

Has been shown to cause cancer in lifetime rat and mouse inhalation studies at the site of contact at non-physiologically relevant doses
rats and mice
104-week inhalation study
NOAEC: 176 mg/m³

Carcinogenic Effects

Species
Study

Has been shown to cause cancer in lifetime rat and mouse drinking water studies at the site of contact at non-physiologically relevant doses
rats and mice
104-week oral gavage study
LOAEL: 31 mg/kg bw/day

in vitro Mutagenicity

Ames Test: negative - with and without metabolic activation -
Method: OECD 471 Chromosome aberrations in cultured human lymphocytes: positive - with and without metabolic activation - Method: OECD 473 Cytotoxicity and micronucleos assay in human lymphoblastoid cells (TK6): positive - Method: OECD 487

in vivo Mutagenicity

Mammalian Erythrocyte Micronucleus Test in mice: ambiguous - Method: OECD 474 Effects on sperm morphology and meiotic micronuclei in mice: negative

Reproductive toxicity

Routes of exposure
Species

No toxicity to reproduction
oral drinking water
rat
NOAEL= 1000 ppm

Developmental effects

Routes of exposure
Species

no adverse developmental effects
oral drinking water and Inhalation
rat

Repeated exposure

Routes of exposure
Species
Method

No adverse effects
oral gavage
rats and mice
OECD 408
NOAEL: 281 mg/kg bw/day
No adverse effects
Inhalation
rats and mice
OECD 453
NOAEC: 176 mg/m³

Repeated Exposure

Routes of exposure
Species
Method

Observe the usual hygienic measures for handling chemicals.

12. Ecological Information

Ecotoxicological data are not available. Do not discharge product unmonitored into the environment.

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13. Disposal considerations

Disposal considerations

Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by Federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

14. Transport information

US Department of Transportation Not regulated

TDG Not regulated

ICAO/IATA Not restricted

IMDG Not regulated

15. Regulatory Information

US State Regulations

Chemicals associated with the product which are subject to the state right-to-know regulations are listed along with the applicable state(s):

Vinyl acetate 108-05-4

Pennsylvania	Listed
New York	Listed
New Jersey	Listed
Illinois	Listed
Louisiana	Listed
Massachusetts	Listed
Rhode Island	Listed

U.S. FEDERAL REGULATIONS

TSCA Inventory:

Listed

Environmental Regulations:

SARA 313 Chemicals

Vinyl acetate (108-05-4) < 1 %

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Vinyl acetate 108-05-4

EPCRA Section 313	Listed
CERCLA Hazardous Substance	Listed
Extremely Hazardous Substance	Listed

SARA 311:

Acute health:	No
Chronic health:	Yes
Fire:	No
Sudden release of pressure:	No
Reactive:	No

INTERNATIONAL REGULATIONS

International Inventories

Listed on the chemical inventories of the following countries or qualifies for an exemption:

Australia (AICS)
 Canada (DSL)
 China (IECSC)
 Japan (ENCS)
 Japan (ISHL)
 Korea (KECI)
 New Zealand (NZIoC)
 Philippines (PICCS)
 Europe (EINECS)
 United States (TSCA)

16. Other information

NFPA:	Health: 1	Flammability: 0	Instability: 0
HMIS:	Health: 1	Flammability: 0	Physical Hazard: 0

Prepared By

Product Stewardship Department
 Celanese

Sources of key data used to compile the datasheet

Information contained in this safety data sheet is based on Celanese owned data and public sources deemed valid or acceptable.. The absence of data elements required by ANSI or 1907/2006/EC indicates that no data meeting these requirements is available..

Other Information:

Observe national and local legal requirements
 Changes against the previous version are marked by ***

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Abbreviation and Acronym:

ADR = Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS = Chemical Abstracts Service (division of the American Chemical Society)

CLP = Classification, Labelling and Packaging

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial Chemical Substances

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IMO)

ICAO = International Civil Aviation Organization

RID = Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

R-Phrases = Risk Phrases

S-Phrases = Safety Phrases