

Product name Ateva®
MSDS number 84011
Revision Number 3

Revision Date Mar.19.2014
Issuing date Jun.23.2016

AGHS/EN

1. Identification of the substance/preparation and the company/undertaking

Product name
Ateva®

The following grades will be covered by this SDS:

Product Grade(s):
4030AC, 4030ACX

Manufacturer or supplier's details
Celanese EVA Performance Polymers
4405-101 Ave
P.O. Box 428
Edmonton, Alberta, Canada
T5J 2K1
Phone: 780 568-0800
Internet: www.Celanese-EVA.com

Emergency telephone number
+(65) 62656917 (Operations Room direct dial)
or fax request to +(65) 62664696 (Facsimile to Operations Room)
or email to posh.er@paccoffshore.com.sg

In China Emergency Number: 86-532-83889090 (NRCC)

Identified uses
Plastic processing industry.

2. Hazards identification

GHS Classification

Hazards
Carcinogenicity

Category
Category 2

Symbol(s)



Signal Word

Warning

Hazard Statements

H351 - Suspected of causing cancer

Product name Ateva®
MSDS number 84011
Revision Number 3

Revision Date Mar.19.2014
Issuing date Jun.23.2016

AGHS/EN

Precautionary Statements
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
P308 + P313 - IF exposed or concerned: Get medical attention/advice
P405 - Store locked up
P501 - Dispose of contents/container in accordance with local regulations.

3. Composition/Information on ingredients

Chemical characterization Ethylene Vinyl Acetate Copolymer; CAS-RN. basic polymer: 24937-78-8

Components	CAS-No	Percent %
E / VA-Copolymer	24937-78-8	> 98
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

Product name Ateva®
 MSDS number 84011
 Revision Number 3

AGHS/EN

Revision Date Mar.19.2014
 Issuing date Jun.23.2016

6. Accidental release measures

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.

Incompatible products

strong oxidizing agents

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

ACGIH Exposure Limits

Components	TWA
Vinyl acetate	10 PPM

Components	STEL
Vinyl acetate	15 PPM

OSHA Exposure Limits

Components	STEL
Vinyl acetate	20 PPM

Exposure controls

Product name Ateva®
 MSDS number 84011
 Revision Number 3

AGHS/EN

Revision Date Mar.19.2014
 Issuing date Jun.23.2016

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

Personal protective equipment

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

Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.. When using, do not eat, drink or smoke.

Respiratory protection Do not breathe dust. If the dust exposure limit is exceeded, wear dust mask. In case of insufficient ventilation wear suitable respiratory equipment.

Eye protection safety glasses. The molten product can cause serious burns. In addition to goggles, wear a face shield if there is a reasonable chance for splash to the face.

Skin protection protective suit

Hand protection protective gloves
Suitable material nitrile rubber
Material thickness approx. 3 mm

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/range 40 - 50°C
Water solubility Insoluble in water

10. Stability and reactivity

Chemical stability

Stable under normal conditions of handling, use and transportation.

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

Product name Ateva®
 MSDS number 84011
 Revision Number 3

AGHS/EN

Revision Date Mar.19.2014
 Issuing date Jun.23.2016

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/m³

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

Carcinogenic effects Has been shown to cause cancer in lifetime rat and mouse inhalation studies at the site of contact at non-physiologically relevant doses

Species rats and mice

Study 104-week inhalation study

NOAEC: 176 mg/m³

Carcinogenic Effects Has been shown to cause cancer in lifetime rat and mouse drinking water studies at the site of contact at non-physiologically relevant doses

Species rats and mice

Study 104-week oral gavage study

LOAEL: 31 mg/kg bw/day

Product name Ateva®
MSDS number 84011
Revision Number 3

AGHS/EN

Revision Date Mar.19.2014
Issuing date Jun.23.2016

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 micronucleus 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

No adverse effects
 oral gavage
 rats and mice

Method

OECD 408

NOAEL: 281 mg/kg bw/day

Repeated Exposure

Routes of exposure
 Species
 Method

No adverse effects

Inhalation

rats and mice

OECD 453

NOAEC: 176 mg/m³

Observe the usual hygienic measures for handling chemicals.

12. Ecological Information

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

13. Disposal considerations**Product information**

Disposal required in compliance with all waste management related state and local regulations. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal

Uncleaned empty packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse

14. Transport information

US Department of Transportation Not regulated

ADR/RID

Not regulated

Product name Ateva®
MSDS number 84011
Revision Number 3

AGHS/EN

Revision Date Mar.19.2014
Issuing date Jun.23.2016

14. Transport information

ADN Not regulated

ICAO/IATA Not restricted

IMDG Not regulated

15. Regulatory information

INTERNATIONAL REGULATIONS

This substance is not classified as dangerous according to Chinese legislation

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

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

Prepared By

Product Stewardship Department
Celanese

Other Information:

Observe national and local legal requirements.

Changes against the previous version are marked by ***

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.

Further information

This information is based on our present state of knowledge. It shall describe our products regarding safety requirements and shall not be construed as a guarantee or statement of condition and/or quality