SAFETY DATA SHEET

Product name: Ateva®

The following grades will be covered by this SDS:

Product Grade(s):

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

Signal Word
Not a dangerous substance according to GHS

3. Composition/Information on ingredients

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

<table>
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<tr>
<th>Components</th>
<th>CAS-No</th>
<th>Percent %</th>
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<tbody>
<tr>
<td>E / VA-Copolymer</td>
<td>24937-78-8</td>
<td>&gt; 99</td>
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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: 0  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
Keep people away from and upwind of fire. Dust can form an explosive mixture in air

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. Use mechanical handling equipment. Dispose of in accordance with local regulations.

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
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
No exposure limits established.

OSHA Exposure Limits
No exposure limits established.

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.

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

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

9. Physical and chemical properties

Appearance
Form
Solid in various forms
Color
clear to white
9. Physical and chemical properties

Odor
Mild, acrid, vinegar-like

Flash point
Not applicable

Autoignition Temperature
> 330 °C

Method
Estimated

Decomposition Temperature
> 300 °C

Melting point/range
70 - 115°C

Water solubility
Insoluble in water

10. Stability and reactivity

Chemical stability
Stable under normal conditions of handling, use and transportation.

Conditions to avoid
Avoid temperatures above 230°C. Hazardous decomposition products may be produced when the recommended processing temperatures or times are exceeded..

Incompatible Materials
strong oxidizing agents

Hazardous Combustion or Decomposition Products:
Carbon oxides

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.

Toxicological data are not available. Observe the usual hygienic measures for handling chemicals.

12. Ecological Information
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

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

This substance is not classified as dangerous according to Japanese 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: 0 | 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.