

# SAFETY DATA SHEET



## VAMAC® HVG ethylene acrylic elastomer

Version 3.0

Document no. 130000139092

Revision Date 2018/05/03

Issue Date 2023/07/12

This SDS adheres to the standards and regulatory requirements of China and may not meet the regulatory requirements in other countries.

### Section 1 - Chemical and Enterprise Identification

**Product name** : VAMAC® HVG ethylene acrylic elastomer

**Product name in English** : VAMAC® HVG ethylene acrylic elastomer

**Recommended use of the chemical and restriction on use**

Recommended use : Polymer

Restrictions on use : For manufacturing and research use only

**Manufacturer, importer, supplier**

Company : Celanese (Shanghai) International Trading Co., Ltd

Street address : 4560 Jinke Road, Zhangjiang, Pudong Shanghai, China 201210

E-mail address : HazCom@celanese.com

**Emergency telephone number** : CHEMTREC International: +1-703-527 3887, +86 532 8388-9090 (China, 24h)

**Date of first preparation** : 2015/11/18

### Section 2 - Hazard Identification

**GHS Hazard Category**

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).  
Endpoints which are not classified, cannot be classified or are not applicable are not shown.

**Main Symptom After Contact**

No information available.

### Section 3 - Ingredients/Composition Information

**Chemical nature** : Mixture

**Components**

This product does not contain any components that require disclosure according to country regulations.

### Section 4 - First-aid Measures

**Inhalation** : Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. Get medical attention. Call a physician. If not breathing, give artificial respiration.

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|                                                           |                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin contact</b>                                       | : In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Cool skin rapidly with cold water after contact with molten material. Do not attempt to remove material from the skin. Obtain medical treatment for thermal burn. |
| <b>Eye contact</b>                                        | : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.                                                                                                                                                                                                                                                 |
| <b>Ingestion</b>                                          | : Not a probable route of exposure. However, in case of accidental ingestion, call a physician.                                                                                                                                                                                                                                                              |
| <b>Most important symptoms/effects, acute and delayed</b> | : No information available.                                                                                                                                                                                                                                                                                                                                  |
| <b>Protection of first-aiders</b>                         | : No information available.                                                                                                                                                                                                                                                                                                                                  |
| <b>Notes to physician</b>                                 | : No information available.                                                                                                                                                                                                                                                                                                                                  |

**Section 5 - Fire-fighting Measures**

|                                                      |                                                                                                                                                                                     |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                  | : Water, Foam, Dry chemical, Carbon dioxide (CO2)                                                                                                                                   |
| <b>Specific hazards</b>                              | : Hazardous combustion products Carbon monoxide hydrocarbon oxidation products Alcohols Ketones Aldehydes Esters carboxylic acids Oxides of phosphorus<br>Acrolein, Phosphonic acid |
| <b>Special protective equipment for firefighters</b> | : Wear self-contained breathing apparatus and protective suit.                                                                                                                      |
| <b>Specific extinguishing methods</b>                | : No information available.                                                                                                                                                         |
| <b>Further information</b>                           | : Evacuate personnel and keep upwind of fire. The solid polymer can only be burned with difficulty.                                                                                 |

**Section 6 - Leak Emergency Treatment**

|                                                                                   |                                                        |
|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| <b>Protective measures, devices and emergency treatment procedure for workers</b> | : No information available.                            |
| <b>Environmental precautions</b>                                                  | : Do not discharge to streams, ponds, lakes or sewers. |
| <b>Methods and materials for containment and cleaning up</b>                      | : Shovel or sweep up.                                  |

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**Prevention of secondary hazards** : No information available.

**Section 7 - Operation Handling and Storage****Operation Handling**

**Technical measures/Precautions** : When opening containers, avoid breathing vapours that may be emanating. Open container only in well-ventilated area. Do not breathe vapours or fumes that may be evolved during processing. Before using, read the product bulletin.

**Precautions for safe handling** : No information available.

**Storage**

**Suitable storage conditions** : Keep containers tightly closed in a cool, well-ventilated place. Keep container closed to prevent contamination.

**Section 8 - Exposure Control and Personal Protection****Control parameters**

No occupational exposure limit values are applicable.

**Engineering controls** : When hot processing this material, use local and/or general exhaust ventilation to maintain the concentration of vapors and fumes below exposure limits. Local exhaust ventilation is preferred. See Bulletin "Proper Use of Local Exhaust Ventilation During Processing of Plastics". Use sufficient ventilation to keep employee exposure below recommended limits.

**Biological occupational exposure limits** : No information available.

**Personal protective equipment**

**Respiratory protection** : A respiratory protection program that meets country requirements must be followed whenever workplace conditions warrant respirator use. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.

**Hand protection** : Material: Protective gloves

**Eye protection** : Wear safety glasses with side shields.  
Wear tightly fitting chemical splash goggles and face shield when possibility exists for eye and face contact due to spattering or splashing of molten material.

**Skin protection** : Where there is potential for skin contact, have available and wear as appropriate, impervious gloves, apron, pants, jacket, hood and boots.  
If there is a potential for contact with hot/molten material wear heat resistant clothing and footwear.

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**Hygiene measures** : No information available.**Section 9 - Physical and Chemical Properties****Appearance (Physical state, form, colour, etc.)**

Physical state : solid  
Form : bales  
Colour : clear, to, light yellow, translucent

**Odour** : acrylic-like**Odour Threshold** : 0.0048 - 20 ppm  
Methyl acrylate**pH** : No information available.**Melting point/freezing point**

No information available.

**Boiling point, initial boiling point and boiling range**

No information available.

**Flash point** : ca.212.5 °C (1,016 hPa)  
closed cup  
Method: Setaflash closed cup - SCC**Evaporation rate** : No information available.**Flammability (solid, gas)** : No information available.**Upper/lower flammability or explosive limits**

Upper explosion limit : No information available.  
Lower explosion limit : No information available.

**Vapour pressure** : No information available.**Vapour density** : No information available.**Density**

Specific gravity : > 1  
(Relative density)

**Solubility(ies)**

Water solubility : insoluble

**Partition coefficient: n-octanol/water** : No information available.**Auto-ignition temperature**

No information available.

**Decomposition** : >282 °C

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|                                          |                                                                                                                                                                                                                                               |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>temperature</b>                       | Thermal decomposition of the resin accelerates above temperature listed. Decomposition can occur below the recommended processing temperature limit. Decomposition is a function of both processing temperature and time at that temperature. |
| <b>Viscosity</b><br>Viscosity, kinematic | : No information available.                                                                                                                                                                                                                   |
| <b>Molecular weight</b>                  | : No information available.                                                                                                                                                                                                                   |

**Section 10 - Stability and Reactivity**

|                                           |                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | : Stable at normal ambient temperature and pressure.                                                                                                                                                                                                                                                                                  |
| <b>Chemical stability</b>                 | : Stable at normal ambient temperature and pressure.                                                                                                                                                                                                                                                                                  |
| <b>Possibility of hazardous reactions</b> | : Polymerization will not occur.<br><br>Large molten masses may give off hazardous gases. Water quenching is good practice.                                                                                                                                                                                                           |
| <b>Conditions to avoid</b>                | : Temperature: > 282°C<br>Decomposes on heating.<br>At temperatures above the "conditions to avoid" temperature, thermal decomposition of the resin accelerates. Decomposition can occur below the recommended processing temperature limit. Decomposition is a function of both processing temperature and time at that temperature. |
| <b>Materials to avoid</b>                 | : Strong acids, and, Oxidizing agents                                                                                                                                                                                                                                                                                                 |
| <b>Hazardous decomposition products</b>   | : Hazardous decomposition products may include:, Aldehydes, Ketones, Esters, Alcohols, Acrolein, phosphorous oxides, Organic acids, Acrylic acid, Maleic anhydride, Formaldehyde, acetaldehydes                                                                                                                                       |

**Section 11 - Toxicological Information****Acute toxicity**

No information available.

**Skin corrosion/irritation**

No information available.

**Serious eye damage/eye irritation**

No information available.

**Respiratory or skin sensitisation**

No information available.

**Germ cell mutagenicity**

No information available.

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**Carcinogenicity**

No information available.

**Reproductive toxicity**

No information available.

**Specific Target Organ Toxicity**

No information available.

**Aspiration hazard**

No information available.

**Other**

VAMAC® HVG ethylene acrylic elastomer : No data is available on the product itself.

**Section 12 - Ecological Information****Ecotoxicity effects**

No information available.

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility in soil**

No information available.

**Other adverse effects**

VAMAC® HVG ethylene acrylic elastomer : There is no data available for this product. Toxicity is expected to be low based on insolubility in water.

**Section 13 - Waste Disposal**

**Waste disposal methods** : Preferred options for disposal are recycling, incineration with energy recovery, and landfill. The high fuel value of this product makes incineration very desirable for material that cannot be recycled. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

**Contaminated packaging** : Dispose of in accordance with local regulations.

**Section 14 - Transport Information**

Not classified as dangerous in the meaning of transport regulations.

**China Dangerous Goods Regulation**

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UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Packing group : Not applicable

### **IMDG**

UN number : Not applicable  
UN proper shipping name : Not applicable  
Transport hazard class : Not applicable  
Packing group : Not applicable  
Marine pollutant : Not applicable

### **IATA**

UN number : Not applicable  
UN proper shipping name : Not applicable  
Transport hazard class : Not applicable  
Packing group : Not applicable

Matters needing attention for transportation : Not applicable

## **Section 15 - Regulatory Information**

not regulated

## **Section 16 - Other Information**

### **References**

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### **Revision Date/Version**

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Significant change from previous version is denoted with a double bar.

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