

	SAFETY DATA SHEET according to Regulation (EC) No 1907/2006 and Regulation (EC) No 830/2015	
	Ethylene Vinyl Acetate Copolymer	Version number: 1.3 Issued: 01-04-2019 Review: 11-03-2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name	Ethylene Vinyl Acetate Copolymer
Product name	SVT0585, SVT0780, SVT2090, SVT2180

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture and uses advised against	Not applicable
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1.3 Details of the supplier of the safety data sheet

Supplier	Braskem Netherlands BV Weena 238-240, 9th Floor Tower C NL-3012NJ Rotterdam E-mail: polymer.compliance-europe@braskem.com Telephone +31 107985002
Manufacturer	Braskem S.A. Rua Eteno, 1561, Polo Petroquímico de Camaçari Camaçari, BA, CEP: 42810-000, Brasil Braskem S.A. BR 386 – Rodovia Tabai-Canoas, km 419, Via do Contorno, 850 Triunfo, RS, CEP: 95853-000, Brasil55(11) 4478-4000 +55(11) 3576-9000

1.4 Emergency telephone number

Emergency phone number (CHEMTREC)	+1 703-741-5970 (International – 24h) +(44)-870-8200418 (UK – 24h)
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Description	The product is not classified as hazardous according to Regulation (EC) No 1272/2008. Adverse effects to the human health: In case of dust, Braskem suggests it to be treated as annoying dust or particulate, by international recommendations. Dust may irritate the respiratory tract.
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Environmental Effects:	It's expected that the product shows high persistence and slow degradability.
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2.2 Label elements

Label elements	The product does not require labelling.
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2.3 Other hazards

Other hazards	Not applicable
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SECTION 3: Composition/information on ingredients

3.1 Substance

Not applicable

3.2 Mixtures

Chemical name	CAS No. EC No.	Concentration	Classification	H-phrase
Ethylen Vinyl Acetate Copolymer	24937-78-8 607-457-0	<100%	-	-

Substance additional information	Doesn't have ingredients or impurities that contribute to the hazard classification.
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SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation	No risks concerning inhalation at room temperature. In case of inhalation of dusts or vapors at high temperatures, remove the victim to fresh air and keep it in rest. Seek medical attention. Take this SDS.
Skin contact	No health risks concerning skin contact at room temperature. In case of contact with the hot product and if irritation happens, wash with plenty of water. Remove clothing impregnated with the product. Seek medical attention. Take this SDS.
Eye contact	Wash eyes with running water for at least 15 minutes, keeping the eyelids open. Remove contact lenses if that's the case. Seek medical attention. Take this SDS.
Ingestion	Rinse the victim's mouth with plenty of water. DO NOT INDUCE VOMITING! Seek medical attention. Take this SDS.

4.2 Most important symptoms and effects, both acute and delayed

Most important symptoms and effects, both acute and delayed	In case of dust formation and inhalation, may cause cough and sneezing.
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4.3 Indication of any immediate medical attention and special treatment needed

Indication of any immediate medical attention and special treatment needed	Avoid contact with this product while helping the victim. Keep the victim in rest and warm. Do not provide anything to an unconscious person. The symptomatic treatment should include, above all, measured of support as correction of hydroelectrolytic and metabolic disturbances and respiratory care.
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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Carbon dioxide, dry chemical powder, foam, water fog.
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5.2 Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture	When in a fire, may produce irritating and toxic gases like carbon monoxide and dioxide.
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5.3 Advice for firefighters

Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Measures in case of fire	Cool closed containers exposed to fire with water spray. Firefight at safe distance. Evacuate the area.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment and emergency procedures	<p>Control of dust: The product doesn't generate dust.</p> <p>Removal of ignition sources: Product isn't flammable. Ignition sources should be removed preventively. Do not smoke in the area.</p> <p>Provision of sufficient ventilation: Use in a well ventilated area.</p> <p>Prevention of inhalation and skin, mucous membranes and eyes contact: Avoid contact with eyes. Use protective equipment as specified in section 8 of SDS.</p>
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6.2 Environmental precautions

Environmental precautions	Do not let this product enter the environment (soil, waterways and groundwater). Do not dispose directly on the environment or the sewer.
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6.3 Methods and material for containment and cleaning up

Methods and material for containment and cleaning up	Use a method that does not generate dust. Collect the material in proper containers and remove them to a safe place.
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6.4 Reference to other sections

Reference to other sections	For information on safe handling see section 7. For information on personal protection see section 8. For information on disposal see section 13.
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Preventive handling precautions	Handle in a well-ventilated area or with a general system of local ventilation/exhaustion. Avoid contact with eyes and clothing. Remove ignition sources and heat. Do not smoke. Use exposure control measures and personal protective equipment as indicated in Section 8.
General hygiene	Do not eat, drink or smoke when using this product. Wash hands before eating, drinking, smoking or going to the toilet. Take off all contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Conditions for safe storage, including any incompatibilities	Keep the product in its original packaging and in a cool, dry, safe from direct sunlight and fireproof place. Keep the containers tightly closed. Keep away from food and drink. Keep away from children. Incompatibilities: Concentrated acids, chlorinated solvents, aromatic compounds. Packaging materials: Big bags and 25kg bags.
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7.3 Specific end use(s)

Specific end use(s)	Not applicable
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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National occupational exposure limits	Ingredient	CAS No.	EC No.	Exposure limit		Short-term exposure limit		Remark	Source
				mg/m ³ -ppm		mg/m ³ -ppm			
	-	-	-	-	-	-	-	-	-

Not applicable.

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8.2 Exposure controls

Technical precaution measures	Provide mechanical ventilation or direct exhaust to the external media. It is recommended safety shower and eye bath available near work site. The engineering controls measures are the most effective to reduce exposure to the product.
Eye / face protection	Protection goggles against dust. Avoid using contact lenses while handling this product.
Safety gloves	Suitable protective gloves.
Other skin protection	Suitable protective suit.
Respiratory protection	Specific respiratory protection equipment is not required.
Thermal hazards	Complete air-ventilated suit, with air supply, or any thermo-resistant clothing available.
Environmental exposure controls	Do not discharge directly into the environment or into the sewer system. The dilution water from fire fighting can cause pollution.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance, colour	Translucent / white
Appearance, physical state	Solid
Auto-ignition temperature	>400 °C
Decomposition temperature	Not applicable
Density	0.910 – 0.960 g/cm ³
Evaporation rate	Not applicable
Explosive properties	Not applicable
Flammability (solid, gas)	Not applicable
Flammability (solids)	Non flammable
Flash point	Not applicable
Initial boiling point and boiling Range	Not applicable
Melting point / freezing point	60 – 105°C
Odour	Not applicable
Odour threshold	Not applicable
Oxidising properties	Not applicable
Partition coefficient: n-octanol / Water	Not applicable
pH value	Not applicable
Relative density	Not applicable
Solubility	Soluble in organic solvents.
Solubility in water	Insoluble in water.
Upper / lower flammability or explosive limits	Not applicable
Vapour density	Not applicable
Vapour pressure	Not applicable
Viscosity	Not applicable

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9.2 Other information

Other information	The shelf life of EVA resins is 24 months from the date of manufacture.
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SECTION 10: Stability and reactivity

10.1 Reactivity

Reactivity	Not applicable
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10.2 Chemical stability

Chemical stability	Stable under normal usage and storage conditions. Does not undergo depolymerization.
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10.3 Possibility of hazardous reactions

Possibility of hazardous reactions	There aren't known any hazardous reactions with this product.
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10.4 Conditions to avoid

Conditions to avoid	High temperatures. Incompatible materials. Direct sunlight.
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10.5 Incompatible materials

Incompatible materials	Concentrated acids, chlorinated solvents and aromatic compounds.
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10.6 Hazardous decomposition products

Hazardous decomposition products	The decomposition products depend on the processing temperature and the presence of other materials. The processing temperature is about 250 °C. At this temperature, the concentrations of some hazardous substances, when detected, are below the level of action. At temperatures above melting temperatures, the profile of the decomposition products may be different and fumes may be irritating.
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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Information on toxicological effects	Non-toxic product.
Acute toxicity	Not applicable
Skin corrosion/irritation	Not irritating.
Serious eye damage/irritation	Not irritating.
Respiratory/skin sensitization	Depending of temperature process, fumes may be irritating.



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Germ cell mutagenicity	There aren't known germ cell mutagenicity effects.
Genotoxicity	Not applicable
Carcinogenicity	There aren't known carcinogenicity effects.
Reproductive toxicity	There aren't known reproductive toxicity effects.
STOT-single exposure	At powder or dust form, may cause respiratory irritation with cough and sneezing.
STOT-repeated exposure	Can cause respiratory problems when heated.
Aspiration hazard	There aren't known aspiration effects.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity	There aren't known ecological toxicity values.
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12.2 Persistence and degradability

Persistence and degradability	It's expected high persistence and slow degradability. The product is not biodegradable.
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12.3 Bioaccumulative potential

Bioaccumulative potential	It's expected to have a medium to high bioaccumulative potential. Polypropylene Homopolymer: LogKow = 17.21 (estimated)
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12.4 Mobility in soil

Mobility in soil	Not applicable
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12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Not applicable
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12.6 Other adverse effects

Other adverse effects	Not applicable
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal considerations	Should be disposed as hazardous waste according to local legislations. The treatment and disposal should be evaluated specifically for each product. Recycle any unused portion of the material approved for use or return it to the manufacturer or supplier. For other methods, consult federal and state laws.
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	Product waste: Keep the product waste in their original containers and properly sealed. Disposal should be performed as established for the product.
Packaging	Packages must be submitted to re-utilization in the working environment. Those may keep waste of the product and should be kept closed and sent to proper dispose. Recycle may be applied as long as followed the relevant laws. Big bag packages are returnable and may be returned to Braskem.

SECTION 14: Transport information

14.1 UN number

UN number	Not classified as hazardous for transport.
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14.2 UN proper shipping name

UN proper shipping name	Not applicable
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14.3 Transport hazard class(es)

Transport hazard class(es)	Not applicable
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14.4 Packing group

Packing group	Not applicable
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14.5 Environmental hazards

Environmental hazards	Not classified as dangerous for environment.
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14.6 Special precautions for user

Special precautions for user	Not applicable
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14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Consult regulations: - International Maritime Organization. MARPOL: Articles, protocols, annexes, unified interpretations of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto, consolidated edition. IMO, London, 2006. - International Maritime Organization. IBC code: International code for the construction and equipment of shipping carrying dangerous chemicals in bulk: With Standards and guidelines relevant to the code. IMO, London, 2007.
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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations	Regulation (EC) No 1907/2006 of the European Parliament and of the Council, REACH. Regulation (EC) No 1272/2008 of the European Parliament and of the Council, CLP. Commission Regulation (EU) 2015/830.
National regulations	Local laws and regulations should be carefully observed.
Other regulations, limitations and legal regulations	Contains no substances subject to restrictions under REACH Annex XVII. Contains no substances that are on the REACH candidate list. Contains no substances listed in REACH Annex XIV.

15.2 Chemical safety assessment

Chemical safety assessment	Not applicable
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SECTION 16: Other information

Changes to previous revision	Date: 11-03-2020 Section: 1.1 Inclusion of codes: SVT2090, SVT0585, SVT0780
Abbreviations	ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road CAS - Chemical Abstracts Service ECHA - European Chemicals Agency EWC - European Waste Catalogue IATA - International Air Transport Association IBC - Intermediate Bulk Container IMDG - International Maritime Code for Dangerous Goods LD50 - Lethal Dose 50% OEL - Occupational Exposure Limit PBT - Persistent, Bioaccumulative and Toxic REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. UN - United Nations vPvB - very Persistent and very Bioaccumulative
References to key literature and data sources	Regulation (EC) No 1907/2006 of the European Parliament and of the Council, REACH. Regulation (EC) No 1272/2008 of the European Parliament and of the Council, CLP. EH40/2005 Workplace exposure limits - Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations (as amended) EH40 (Second edition, published 2011).

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	C&L Inventory database (ECHA). http://prevent.se (database). GESTIS - International limit values for chemical agents - (database). REACH - Registration dossiers.
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Other

Additional information	BRASKEM warns that the handling of any chemical substance requires the previous knowledge of its hazards for the user. It is responsibility of the product user enterprise to promote the training of its employees and contractors about the possible risks arising from the product.
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