

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Vietnam, Decree No. 113/2017/ND-CP, Circular no. 32/2017/TT-BCT



<b>Chemical codes and product name</b>			
CAS No	No information available		
UN number or ID number	Not regulated		
EC No (EU Index No)	No information available		
Hazard rating of standard rating organizations (if applicable): NFPA			
<u>Health hazards</u>	<u>Flammability</u>	<u>Instability</u>	<u>Special hazards</u>
1	1	0	-
Registration number in other countries (if applicable): No information available			
<b>Issuing Date</b>	11-Apr-2023	<b>Revision Date</b>	11-Apr-2023
			<b>Revision Number</b> 1.0

## 1. Identification

<b>Common name of chemical</b>	No information available
<b>Trading name</b>	<b>Recycled Ethylene Vinyl Acetate Copolymer (Developmental Product)</b>
<b>Other names</b>	Recycled EVA
<b>Product Code(s)</b>	DVR002A
<b>Name and address of supplier or importer</b>	
<b>Supplier</b>	Braskem S.A. Rua Eteno, 1561, Polo Petroquímico de Camaçari Camaçari, BA, CEP: 42810-000, Brazil Tel: +55 (71) 3413-3600
<b>Name and address of manufacturer</b>	
<b>Manufacturer</b>	No information available
<b>Intended use</b>	
<b>Recommended use</b>	Polymer preparations and compounds
<b>Contact in emergency:</b>	
<b>Emergency telephone</b>	+1 703 527 3887 (CHEMTREC International) Chemtrec (Vietnam): +(84)-444581938

## 2. Hazard(s) identification

### 1 GHS Classification

Not classified

### 2 Hazard warning

### Hazard statements

Not classified

### Other hazards which do not result in classification

May form combustible dust concentrations in air  
May be harmful if swallowed  
Special danger of slipping by leaking/spilling product  
Electrostatic charges may be generated during handling

Even with proper grounding and bonding, this material can still accumulate an electrostatic charge. If sufficient charge is allowed to accumulate, electrostatic discharge and ignition of flammable air-vapor mixtures may occur.

**3 Route of exposure and symptoms**

<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Dust contact with the eyes can lead to mechanical irritation.
<b>Inhalation</b>	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. Contact with dust can cause mechanical irritation or drying of the skin.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. May be harmful if swallowed. May cause irritation of the mouth, throat and stomach.
<b>Symptoms</b>	Product dust may be irritating to eyes, skin and respiratory system.

**3. Composition/information on ingredients**

Substance

Not applicable.

Mixture

Not classified

The product contains no substances which at their given concentration, are considered to be hazardous to health

Chemical name	CAS No	Weight-%
Ethylene-Vinyl acetate polymer	24937-78-8	40-60
Post-Consumer Recycled Ethylene Vinyl Acetate Copolymer	-	40-60

**4. First-aid measures**

Description of necessary first aid measures

**1 For accidents with exposure of eye**

Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

**2 For accidents with exposure of skin**

Wash skin with soap and water. Get medical attention if irritation develops and persists. After contact with molten product, cool skin area rapidly with cold water. Removal of solidified molten material from skin requires medical assistance. After contact with product or dust:

**3 For accidents with exposure by inhalation**

Move victim to fresh air. Medical aid is necessary if symptoms appear to be an obvious consequence of inhalation.

**4 For accidents with exposure by swallowing**

Do NOT induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Consult a physician if necessary. Clean mouth with water and afterwards drink plenty of water.

**5 Note to physicians**

Treat symptomatically.

**Symptoms**

Product dust may be irritating to eyes, skin and respiratory system.

**Effects of Exposure**

No information available.

**Self-protection of the first aider**

No information available.

**5. Fire-fighting measures**

**1 Flammable properties**

Not applicable.

**2 Hazardous combustion products**

Carbon oxides.

**3 Agents that cause fire and explosion or other specific hazards**

Avoid generation of dust. Fine dust dispersed in air may ignite. Powders, dusts, shavings, borings, turnings or cuttings may explode or burn with explosive violence.

**4 Appropriate fire extinguishers and fire fighting instructions, other combined measures**

**Suitable Extinguishing Media**

CO2, dry chemical, dry sand, alcohol-resistant foam. Water spray or fog. Apply extinguishing media carefully to avoid creating airborne dust.

**Unsuitable extinguishing media**

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

**5 Special protective equipment and precautions for fire-fighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6 Special attention to fire and explosion**

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** Yes.

**6. Accidental release measures**

**1 When there is small scale leakage or spilling**

**Small spill**

Use personal protective equipment as required. Collect and dispose. See Sections 8 & 13 for additional information.

**2 When there is large scale leakage or spilling**

**Personal precautions**

Ensure adequate ventilation. Avoid generation of dust. Avoid contact with eyes. Use personal protective equipment as required. Do not breathe dust. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Take precautionary measures against static discharges.

**Environmental precautions**

See Section 12 for additional Ecological Information.

**Methods for containment**

Prevent further leakage or spillage if safe to do so. Prevent dust cloud.

**Methods for cleaning up**

Take up with inert, damp, non-combustible material using clean non-sparking tools and

place into loosely covered plastic containers for later disposal. Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**Other information** Refer to protective measures listed in Sections 7 and 8.

## 7. Handling and storage

### 1 Measures and conditions to be applied when using or working with dangerous chemicals

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid generation of dust. Do not breathe dust. Avoid contact with eyes. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. Airborne dusts are potentially explosive. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Handling and processing operations should be conducted in accordance with 'best practices' (e.g. NFPA-654).

### 2 Measures and conditions to be applied when storing chemicals

Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals. Keep container closed when not in use. Keep in an area equipped with sprinklers.

**Incompatible materials** Strong oxidizing agents.

## 8. Exposure controls/personal protection

### 1 Measures necessary to limit exposure

**Exposure guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

### Appropriate engineering controls

Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

### 2 Personal protective equipment when working

**Eye/face protection** Wear safety glasses with side shields (or goggles). During hot processing: Tight sealing safety goggles. If there is a risk of contact: Face protection shield.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing. Protective shoes or boots. During hot processing:

**Hand protection** Wear suitable gloves. Heat resistant gloves are recommended when handling molten materials.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. In case of insufficient ventilation, wear suitable respiratory equipment. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.

### 3 Protective equipment when responding to an incident

Additional protective equipment such as chemically resistant suit, boots and face shield should be used based upon task being performed.

**4 Hygiene Measures**

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Regular cleaning of equipment, work area and clothing is recommended.

**9. Physical and chemical properties**

Information on basic physical and chemical properties

Appearance	Pellets
Physical state	Solid
Color	Beige
Odor	No information available
Odor threshold	No information available

Property	Values	Remarks • Method
pH		No data available
Melting point / freezing point		No data available
Initial boiling point and boiling range		No data available
Flash point		No data available
Evaporation rate		No data available
Flammability		No data available
Flammability Limit in Air		
Upper flammability or explosive limits		No data available
Lower flammability or explosive limits		No data available
Vapor pressure		No data available
Vapor density		No data available
Relative density		No data available
Water solubility		No data available
Solubility in other solvents		No data available
Partition coefficient		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available

Other information

Explosive properties	No information available.
Oxidizing properties	No information available.
Softening point	No information available
Molecular weight	No information available
VOC content	No information available
Liquid Density	No information available
Bulk density	No information available

**10. Stability and reactivity**

**1 Stability**

Stable under normal conditions.

**2 Reactivity**

None under normal use conditions.

**Hazardous decomposition products**

Decomposition products depend on temperature, exposure to air, and the presence of other substances, Processing may release irritating fumes, olefinic and paraffinic compounds, carbon monoxide, and carbon dioxide, Potential thermal decomposition products include trace aldehydes (including formaldehyde), alcohols, organic acids, and hydrocarbons.

**Possibility of hazardous reactions**

Reacts violently with fluorine.

**Incompatible materials**

Strong oxidizing agents.

**Conditions to avoid**

Excessive heat. Heating in air. Dust formation.

**Hazardous polymerization**

None under normal processing.

**11. Toxicological information**

Information on likely routes of exposure

**Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Dust contact with the eyes can lead to mechanical irritation.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. Contact with dust can cause mechanical irritation or drying of the skin.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. May be harmful if swallowed. May cause irritation of the mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Product dust may be irritating to eyes, skin and respiratory system.

Acute toxicity

**Numerical measures of toxicity** Based on available data, the classification criteria are not met

**1 Long-term impact to humans**

<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/eye irritation</b>	Based on available data, the classification criteria are not met.
<b>Respiratory or skin sensitization</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	This product does not contain any known or suspected reproductive hazards.

**STOT - single exposure** None of the ingredients are known to cause specific target organ effects from a single exposure.

**STOT - repeated exposure** None of the ingredients are known to cause specific target organ effects through prolonged or repeated exposure.

## 2 Other toxic effects

**Aspiration hazard** None of the ingredients are known to be an aspiration hazard.

## 12. Ecological information

### 1 Toxicity to organisms

The environmental impact of this product has not been fully investigated.

### 2 Environmental impact

#### Persistence and degradability

No information available.

#### Bioaccumulation

No information available.

#### Mobility in soil

No information available.

#### Mobility

No information available.

#### Other adverse effects

No information available.

## 13. Disposal considerations

### 1 Information on disposal requirements

Take note of national technical regulations on the environment.

### 2 Hazardous waste classification

#### National Technical Regulation on the threshold for hazardous waste

Not applicable.

### 3 Waste treatment measures

#### Waste from residues/unused products

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

### 4 Waste destruction by-products, disposal measures

#### Contaminated packaging

Do not flush to sewer. Do not dispose of with household waste. Do not allow to enter into surface water or drains.

## 14. Transport information

<b>IMDG</b>	Not regulated
<b>IATA</b>	Not regulated
<b>ADR</b>	Not regulated

## 15. Regulatory information

### 1 Declaration status, registered in the regional countries of the world

Contact supplier for inventory compliance status

### 2 Classifying of risk by country

Hazard rating of standard rating organizations (if applicable): NFPA

<u>Health hazards</u>	<u>Flammability</u>	<u>Instability</u>	<u>Special hazards</u>
1	1	0	-

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

### 3 Compliance with technical regulations

Applicable regulations: No applicable information was found

## 16. Other information

Note to the reader:

The information in the chemical safety data sheet is compiled with the newest and most valid knowledge of dangerous chemicals and must be used to implement measures to prevent risks and accidents

Dangerous chemicals in these sheets have other hazardous properties depending on the circumstances of use and exposure

<b>Issuing Date</b>	11-Apr-2023
<b>Revision Date</b>	11-Apr-2023
<b>Revision Note</b>	Initial Release.

### Key or legend to abbreviations and acronyms used in the safety data sheet

IMDG	International Maritime Dangerous Goods (IMDG)
IATA	International Air Transport Association (IATA)
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
NFPA	National Fire Protection Association (NFPA), United States of America

### **Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

### **Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database



European Food Safety Authority (EFSA)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGL(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text**

**End of Safety Data Sheet**