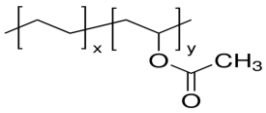
SAFETY DATA SHEET	PR/EOHD/OHS/F-310	
PRODUCT NAME : ETHYLENE VINYLACETATE		
Reference No. SDS-09-0038	Revision No. 1.4 January 8, 2019	Page 1 of 9

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

1.1 Product Identifier

Product Name:	Ethylene Vinyleacetate
Other/Generic Names:	Poly Ethylene, EVA, Ethylene Vinylacetate Copolymer
Grades:	H2181, H2201 A1825, A1821
REACH Registration Number:	Not applicable
EC Number:	None
CAS Number:	24937-78-8
Molecular formula:	-
Molecular Structure:	
Molecular weight range:	-

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

IDENTIFIED USES:
Plastic moulding
Extruding

MOST COMMON TECHNICAL FUNCTION OF SUBSTANCE (WHAT IT DOES):
Construction, automotive, kitchen products

USES BY CONSUMERS ADVISED AGAINST
Final product.

1.3 Manufacturer or supplier's details

Manufacturer	**Rabigh Refining and Petrochemical Company**		
Address	**PLANT** PO Box 101, Rabigh 21911, Kingdom of Saudi Arabia Tel: +966 12 425 0390 Free Number: 800 440 9000		
E-mail address of person responsible for this SDS	stephane.dallaire@petrorabigh.com		
Emergency telephone numbers (24-hour)	Asia Pacific (except China):	CareChem 24 +65 3158 1074	English, Cantonese, Indonesian, Japanese, Korean, Malay, Mandarin, Thai, Vietnamese
	China (Off-land):	CareChem 24 +86 512 8090 3042	English, Mandarin
	US, Canada: Outside above area:	ChemTrec 1-800-424-9300 +703-527-3887	English
	Europe, America, Middle East, Africa (Europe & English Speaking):	CareChem 24 +44 (0) 1235 239 670	English, Albanian, Bulgarian, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Lithuanian, Norwegian, Polish, Portuguese, Romanian, Russian, Serb-Croat, Slovak, Spanish, Swedish, Turkish, Ukrainian
	Middle East & Africa (Arabic speaking):	CareChem 24 +44 (0) 1235 239 671	English, Arabic, French

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Product Definition:	Poly (ethylene-co-vinyl acetate)
Classification according to Directive 67/548/EEC [DSD]:	This substance is not classified as dangerous according to this Directive.

2.2 Label elements

Hazard pictograms (Labelling according Regulation (EC) No 1272/2008):	Not a hazardous substance or mixture according to this Regulation.
Signal word:	Notice
Hazard statements:	Not applicable
Precautionary statements	
Prevention:	Not applicable
Response:	Not applicable
Storage:	Not applicable
Disposal:	Not applicable.
Special packaging requirements	
Containers to be fitted with child-resistant fastenings:	Not applicable
Tactile warning of danger:	Not applicable

2.3 Other hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII:	Not applicable
Substance meets the criteria for vpvB according to Regulation (EC) No. 1907/2006, Annex XIII:	Not applicable
Other hazards which do not result in classification:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Classification of the substance or mixture

Substance/mixture

Product/ Ingredient name	Identifiers	Wt%	Classification		
			Directive 1999/45/EC	Regulation (EC) No. 1272/2008 [CLP/GHS]	Type
Ethylene-Vinylacetate Copolymer	EC: Not provided CAS: 24937-78-8	100.0%	This substance is not classified as dangerous	Not a hazardous substance	[A]

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

Type

[A] Constituent; [B] Impurity; [C] Stabilizing additive; Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Apply artificial respiration if victim is not breathing. Rinse nose, mouth and throat with water. Keep victim warm with a blanket etc. Get immediate medical advice/attention. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Skin contact	Remove/take off immediately contaminated clothing and shoes. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Burns (in contact with molten product or heated product): Immediately immerse in large amount of cold water, or flush with large amounts of water the affected area to dissipate heat. While flushing, remove clothes which do not adhere to affected area. Cover with clean cotton sheeting or gauze. Get immediate medical advice/attention.
Eye contact	Do not rub eye. Hold eyelids apart. Begin to rinse with water as soon as possible and rinse cautiously for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. Burns (in contact with molten product or heated product) : Immediately immerse in large amount of cold water, or flush with large amounts of water the affected area to dissipate heat.

Ingestion	Rinse mouth. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Keep victim warm with a blanket etc. Get immediate medical advice/attention. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Administer oxygen if breathing is difficult. Apply artificial respiration if victim is not breathing.
Protection of first-aiders	Use personal protective equipment as required.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute and delayed health effects

Inhalation	Irritation of nasal and pharyngeal mucosae.
Skin contact	Mild skin irritation. Refer to section 2.2
Eye contact	Mild eye irritation. Refer to section 2.2
Ingestion	Ingestion (If swallowed): Vomiting .

Over-exposure signs/symptoms

Eye contact	No specific data available
Inhalation	No specific data available
Skin contact	No specific data available
Ingestion	No specific data available

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically. Contact poison treatment specialist immediately if eyes were exposed to large quantities or large quantities have been ingested or inhaled. Use PPE such as gloves, goggles and masks.
Specific treatments	No specific information

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Small fires: Dry chemical powder, carbon dioxide, water spray, regular foam Large fires: Water spray, fog, regular foam
Unsuitable extinguishing media	No information available.

5.2 Special hazards arising from the substance of mixture

Hazards from the substance or mixture	Flammable/combustible material. Will be easily ignited by ignition sources such as heat, mechanical sparks, static discharge or open flames. Powders and dusts may form explosive dust clouds with air. When heated, decomposition gases may form explosive mixtures with air. Containers may explode when heated. Risk of fire and explosion on contact with incompatible material(s). Contact with molten substance/product may cause severe burns to skin and eyes. Fire may produce flammable and/or harmful gases （See "10. Stability and reactivity"）. For large fires, withdraw from fire area and let fire burn. May re-ignite after fire is extinguished. Runoff and fire-control water may pollute waters.
Hazardous thermal decomposition products	Fumes produced when heated to decomposition temperatures may contain carbon monoxide, carbon dioxide, oxides of nitrogen, and small amounts of aromatic and aliphatic hydrocarbons. Combustion products from rubber, like those of other natural/synthetic materials, must be considered toxic.

5.3 Advice for firefighters

Special protective actions for fire-fighting	Large fire or tanks; fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Keep upwind. Keep unauthorized personnel away. If possible, remove containers exposed to heat or cool with water. For large fires, withdraw from fire area and let fire burn. Dike fire water for later disposal; do not spread the material. Cool containers with flooding quantities of water until well after fire is out.
Specific protective equipment for fire-fighting	Wear regional, national, and local standards approved fire fighting turnout gear and positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection from heat, and may not provide adequate protection from the harmful vapors or liquids.

SECTION 6: Accidental release measure

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	Wear appropriate protective equipment. Use personal protection recommended in "8. Exposure control/personal protection". Isolate spill or leak area for proper distance in all directions. Provide adequate ventilation. Keep upwind. Do not touch or walk through spilled material.

6.2 Environmental precautions

Prevent entry spilled material and runoff from spillage control into waterways, sewers, basements or confined areas. Avoid release to the environment.

6.3 Methods and materials for containment and cleaning up

Small spill	Stop leak if without risk. Move containers from spill area. Mop up and place in an appropriate and properly labeled waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	Stop leak if without risk. Consider initial downwind evacuation for proper distance. ELIMINATE all ignition sources such as heat/sparks/open flames/hot surfaces/static discharges. Consult an expert. Use explosion-proof electrical equipment and lighting. Stop leak if possible without any risk. Use clean non-sparking tools. Collect scattered product into sealable containers. Collect fine substance by dust explosion-proof cleaner to prevent scatter. Moist particle solid at first to prevent scattering if appropriate. See "13. Disposal considerations".

6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	Use only outdoors or in a well-ventilated area. Do not breath powder, dust, shavings, borings, turnings or cuttings. ELIMINATE all ignition sources. As fine particle and powder generated by pneumatic conveying, shavings and turnings are dust explosive, take the following precautionary measures: Prevent dust cloud and dust accumulation. Take precautionary measures against static electricity such as grounding and bonding, wearing anti-static footwear and clothing, using grounded conductive floor. Do not use low conductive material to equipment and containers including plastic lining, bags and filters. Use dust explosion-proof electrical/ventilating/lighting/equipment.Inerting by nitrogen gas, etc., and explosion pressure venting of confined spaces are requested as dust explosion precautions. If above mentioned precautions are impossible, consult an expert of a specialized company.
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep containers tightly closed.

Well ventilate by proper manner according to regional, national and local regulations. Protect against direct sunlight. Store in a dry place. Keep in a fire-proof designed place. Keep away from incompatible materials. See "10. Stability and reactivity". Keep away from food and feedstuffs. Store locked up.

Use package or container with anti-static discharge liner. All containers shall be properly labeled.

7.3 Specific end use(s)

Recommendations	Ventilate by appropriate method. (See "8. Exposure control/personal protection"). Install appropriate equipment and wear appropriate protective clothing. (See "8. Exposure control/personal protection") Use personal protective equipment as required. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands and face thoroughly after handling. Eating, drinking and smoking in work areas is prohibited. Contaminated work clothing should not be allowed out of the workplace.
Industrial sector specific solutions	No specific information available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

Substance	Form	TWA	STEL	Reference
Ethylene-Vinylacetate Copolymer	Dust	3 mg/m^3 (Respirable)	-	ACGIH
	Dust	10 mg/m^3 (total)	-	ACGIH

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Derived No Effect Levels (DNEL): No information is available

Product/ingredient name	Exposure	Value	Population	Effects
Ethylene-Vinylacetate Copolymer	No information available	-	-	-

Predicted No Effect Concentrations (PNEC) : No information is available

Product/ingredient name	Compartment Details	Value	Method Detail
Ethylene-Vinylacetate Copolymer	No information available	-	-

8.2 Exposure controls

Appropriate engineering controls	If user operations generate dust, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Individual protection measures	
Hygiene measures:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mist, gases or dusts. Recommended: safety glasses with side-shields
Skin protection **Hand protection:**	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this are necessary. For 8-hour full or splash contact with the material, use gloves made of butyl rubber with minimum layer thickness of 0.3 mm.
Body protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. If used in solution, or mixed with other substances, contact suppliers of approved gloves and skin protection. This is only advisory and must be evaluated on a case-to- case basis by specialists.
Respiratory protection:	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary or as backup to engineering controls. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: organic vapor filter (Type A)
Environmental exposure controls:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	
Physical state:	Solid in pellet form
Color:	White or milky white
Odor:	None
Odor threshold :	Not applicable
pH:	No data available
Melting point/freezing point range:	63 – 97 °C
Boiling point:	No data available
Flash point:	No data available
Evaporation rate (Butyl acetate=1.0):	Not applicable
Flammability (solid, gas):	
Burning time:	No data available
Burning rate:	No data available
Upper/lower flammability or explosive limits:	Lower: Not applicable Upper: Not applicable
Vapor Pressure:	No data available
Vapor Specific Gravity (Air=1):	No data available
Specific gravity (water =1.0)	0.93 – 0.98 at 25 °C
Solubility(ies):	Insoluble in water.
Partition coefficient; n-octane/water:	No data available
Auto-ignition temperature:	Ignition point: >400 °C
Decomposition temperature:	No data available
Viscosity:	Not applicable
Explosive properties:	No data available
Oxidizing properties:	No data available

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product.

10.2 Chemical stability

The product is stable under recommended storage conditions. When heated, decomposition gases may form explosive mixtures with air.

10.3 Possibility of hazardous reactions

Classification not poosible

10.4 Conditions to avoid

Keep away from ignition sources, heat, sparks and flame, hot surfaces, accumulation of static electricity.

10.5. Incompatible materials

Oxidizing agents

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Carbon monoxide and hydrocarbons may be generated by heat.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute Toxicity:	Product/Ingredient name	Result	Species	Dose
Oral	No data available	-	-	-
Dermal	No data available	-	-	-
Inhalation	No data available	-	-	-
Irritation/Skin Corrosivity:	No data available	-	-	-
Irritation/Eye Corrosivity:	No data available	-	-	-
Sensitization (Respiratory):	No data available	-	-	-
Sensitization (Skin):	No data available	-	-	-
Mutagenicity:	No data available	-	-	-
Carcinogenicity:	No data available	-	-	-
Reproductive toxicity (Teratogenicity):	No data available	-	-	-
Specific target organ toxicity STOT (single exposure):	No data available	-	-	-
Specific target organ toxicity STOT (repeated exposure):	No data available	-	-	-

SECTION 12: Ecological information

12.1 Toxicity

Acute Toxicity:	Product/Ingredient name	Result	Species	Dose
Fish	No data available	-	-	-
Crustacea	No data available	-	-	-
Algae	No data available	-	-	-
Chronic Toxicity:				
Persistency/Durability:	No data available	-	-	-
Bioaccumulative potential:	No data available	-	-	-

Mobility in soil

Product/Ingredient name	Result
Ethylene-Vinylacetate Copolymer	None

12.2 Persistence and degradability

Conclusion/summary: Readily biodegradable (OECD Test Guideline 301B)

12.3 Bioaccumulative potential

Conclusion/summary: No information available

12.4 Mobility in soil

Conclusion/summary:

12.5 Results of PBT and vPvB assessment

Not considered either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative at levels of 0.1% or higher

12.6 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Hazardous waste: The classification of the product may meet the criteria for a hazardous waste.

Packaging

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions: This material and its container must be disposed of in a safe way. Care should betaken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

		ADR/RID	ADN/ADNR	IMDG	IATA
14.1	UN number	None	None	None	None
14.2	UN proper shipping name	None	-	-	-
14.3	Transport hazard class(es)	None	None	None	None
14.4	Packing group	None	None	None	None
14.5	Environmental hazards	None	None	None	None
14.6	Special precautions for user	Not available	Not available	Not available	Not available
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	None	None	None	None

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Substances of very high concern: No data available

Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: No data available

Other EU regulations

Europe inventory: All components are listed or exempted.

Black List Chemicals: Not listed

Priority List Chemicals: No data available

Integrated pollution prevention and control list (IPPC) - Air: No data available

Integrated pollution prevention and control list (IPPC) - Water: No data available

International regulations

Chemical Weapons Convention List Schedule I Chemical: Not listed

Chemical Weapons Convention List Schedule II Chemicals: Not listed

Chemical Weapons Convention List Schedule III Chemicals: Not listed

15.2 Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms: None

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]: Not applicable

Full text of abbreviated H statements:	Not applicable
Full text of classifications[CLP/GHS]:	Not applicable
Full text of abbreviated R phrases:	Not applicable
Full text of classifications[DSD/DPD]:	Not applicable
Revision	1.4
Date of issue / Date of revision:	01/08/2019
Date of previous issue:	10/31/2018

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