

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



MATERIAL SAFETY DATA SHEET (MSDS)

EVA RESIN FINE POWDER

28% VINYL ACETATE

1. PRODUCT AND COMPANY IDENTIFICATION

Parameter	Description
Product name	EVA Resin — 28% Vinyl Acetate
Powder grade name	EVA 28% FINE POWDER
Chemical name	Ethylene-Vinyl Acetate Copolymer
Synonyms	EVA; Poly(ethylene-co-vinyl acetate)
CAS number	24937-78-8
Chemical formula	$(C_2H_4)_x(C_4H_6O_2)_y$
Supplier	Polymer Add (Thailand) Co., Ltd.
Recommended uses	Industrial resin for adhesives, polymer compounding, masterbatch, films, foams, coatings and powder-binding applications
Supplier address and telephone	Office : 106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250 Factory : 188/3, Moo 8, Sub-District- Bangpu Mai, District-Muang Samut Prakan, Samutprakan Province, Thailand 10280
	Mobile : Thai : 0804531391, English: 0839415475 Email: contact@polymeradd.co.th
Emergency Contact Info	+66-80-4531391

2. HAZARDS IDENTIFICATION

GHS classification: EVA copolymer is generally not classified as hazardous under GHS physical, health or environmental hazard categories.

Label element	Description
Hazard pictograms	None required for the base polymer
Signal word	None required for the base polymer under general GHS classification
Classified hazard statements	None for the base polymer
Powder hazard warning	May form combustible dust concentrations in air

Other hazards:

- Fine powder dispersed in air may form an explosive mixture in the presence of an ignition source.
- Dust may cause mechanical irritation of the eyes and respiratory tract.
- Molten resin can cause severe thermal burns.
- Overheating may release irritating fumes.

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalaremprikat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



- Spilled granules or powder may create a slipping hazard.
- Material handling may generate electrostatic charges.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS number	Purity
Ethylene-Vinyl Acetate Copolymer	24937-78-8	99.5%

The 28% vinyl acetate content represents chemically bound units within the polymer; it does not mean 28% free vinyl acetate monomer. Stabilizers and processing additives, where present, depend on the original resin grade.

4. FIRST-AID MEASURES

Exposure route	First-aid measures
Inhalation	Move the affected person to fresh air. Obtain medical attention if coughing, irritation or breathing difficulty persists. Seek urgent medical assistance for severe symptoms.
Eye contact	Rinse gently with clean water for at least 15 minutes. Remove contact lenses if easy to do. Do not rub the eyes. Obtain medical attention if irritation persists.
Skin contact — solid resin	Wash with soap and water. Seek medical attention if irritation develops.
Skin contact — molten resin	Immediately cool the affected area with cool running water. Do not apply ice directly or remove polymer adhering to the skin. Obtain urgent medical attention.
Ingestion	Rinse the mouth. Do not induce vomiting. Obtain medical advice if a significant quantity is swallowed or symptoms develop. Never give anything by mouth to an unconscious person.

Main symptoms: Mechanical irritation from dust; respiratory irritation from process fumes; thermal burns from molten resin.

Advice to physician: Treat symptomatically. Adhering polymer should be removed under medical supervision.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water fog or fine spray, foam, dry chemical powder or carbon dioxide.

Unsuitable extinguishing media: Avoid strong water jets that may disperse powder or spread burning molten material.

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



Specific hazards: Resin can burn and produce dense smoke. Combustion or thermal decomposition may generate carbon monoxide, carbon dioxide, acetic acid and other irritating organic vapours. Suspended fine dust may present an explosion hazard.

Protective equipment: Firefighters should wear full protective clothing and positive-pressure self-contained breathing apparatus. Cool exposed containers with water spray from a safe position.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Restrict access, remove ignition sources and ventilate the area. Avoid inhaling dust and walking through spilled material.

Environmental precautions: Prevent entry into drains, waterways and soil.

Cleanup: Collect carefully into suitable labelled containers. For fine powder, use a vacuum system approved for combustible dust or another method that minimizes dust generation. Avoid compressed-air cleaning and vigorous dry sweeping.

7. HANDLING AND STORAGE

Handling:

- Provide ventilation during powder handling and heated processing.
- Minimize dust generation and remove accumulated dust regularly.
- Keep away from flames, sparks and hot surfaces.
- Ground and bond conductive transfer equipment; control electrostatic discharge.
- Avoid contact with molten resin and wash hands after handling.

Storage: Keep in closed, labelled packaging in a cool, dry, ventilated area, protected from direct sunlight and heat. Store away from strong oxidizing agents. Excessive heat and stacking pressure may promote powder caking.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits: No specific occupational exposure limit is established for EVA copolymer. Apply relevant local limits for airborne dust and processing emissions.

Protection / control	Recommendation
Engineering controls	Local exhaust ventilation at powder transfer points and heated processing equipment
Respiratory protection	Use an approved particulate respirator when ventilation does not adequately control dust. Select protection for process vapours according to the exposure assessment.

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalaremprikat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



Eye protection	Safety glasses with side shields; dust goggles during dusty operations
Hot-material protection	Face shield, heat-resistant gloves and protective clothing where molten resin may splash
Hand and body protection	Suitable work gloves and protective work clothing
Hygiene	Wash after handling; avoid eating, drinking or smoking in handling areas

Provide an eyewash station and facilities for emergency cooling of thermal burns.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Typical value / description
Physical state	Solid resin; granules or micronised powder
Colour	Translucent to milky white
Odour	Odourless to mild characteristic odour
Vinyl acetate content	Nominally 28 wt%
Melting point / range	Typically approximately 60–80°C; dependent on resin grade and DSC method
Density	Approximately 0.95 g/cm ³
Water solubility	Insoluble
pH	Not applicable to the water-insoluble solid
Boiling point	Not applicable; polymer decomposes on strong heating
Flash point	No grade-specific value available
Flammability	Combustible polymer
Vapour pressure	Negligible at ambient temperature
Autoignition temperature	No grade-specific value available
Decomposition temperature	No grade-specific value available
Dust explosion properties	Fine dust may form explosive mixtures with air; numerical parameters are not available
Particle size	D100 less than 1000 microns = 1mm

10. STABILITY AND REACTIVITY

Parameter	Description
Chemical stability	Stable under normal storage and handling conditions
Hazardous reactions	Hazardous polymerization is not expected
Conditions to avoid	Excessive heating, ignition sources, static discharge and airborne dust accumulation
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Acetic acid, carbon monoxide, carbon dioxide and other irritating organic vapours during overheating or combustion

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalaremprikat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



11. TOXICOLOGICAL INFORMATION

EVA copolymer is expected to have low acute toxicity during normal industrial handling.

Endpoint / exposure	Information
Inhalation	Dust and heated-process fumes may irritate the respiratory tract
Eye contact	Solid particles may cause mechanical irritation
Skin contact	Solid resin generally presents low irritation potential; molten resin causes thermal burns
Ingestion	Low chemical toxicity expected; larger quantities may cause choking or gastrointestinal obstruction
Sensitization, mutagenicity, reproductive toxicity and repeated-exposure effects	No product-specific numerical test data available
Carcinogenicity	No carcinogenic classification assigned to the base polymer in the referenced EVA safety information

12. ECOLOGICAL INFORMATION

Parameter	Information
Aquatic toxicity	No product-specific numerical data available
Persistence and degradability	Conventional EVA is not readily biodegradable
Bioaccumulation	No product-specific data available
Mobility	Water-insoluble particles may be physically transported by runoff
Other effects	Released granules and powder can contribute to persistent plastic contamination

13. DISPOSAL CONSIDERATIONS

Recover or recycle clean material where practical. Dispose of contaminated resin and packaging through authorized facilities in accordance with applicable local requirements. Do not discharge into drains or waterways or burn in the open.

14. TRANSPORT INFORMATION

Parameter	Classification
UN number	Not applicable
UN proper shipping name	Not applicable
Transport hazard class	Not classified as dangerous goods
Packing group	Not applicable
ADR / RID	Not regulated as dangerous goods

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



IMDG	Not regulated as dangerous goods
ICAO / IATA	Not regulated as dangerous goods
Marine pollutant	Not classified
Transport precautions	Keep packaging closed and protected from heat, moisture and damage

15. REGULATORY INFORMATION

The base EVA copolymer is generally not classified as hazardous under GHS. Combustible-dust communication requirements may apply to powder under the relevant national hazard communication system. Occupational, environmental and waste-management requirements remain applicable.

This MSDS does not establish food-contact or medical-use approval.

16. OTHER INFORMATION

Prepared for: Polymer Add (Thailand) Co., Ltd.

Product covered: EVA resin containing nominally 28% vinyl acetate, including micronised powder.

Preparation date: October 2026

Revision Date : Oct 2028