

MATERIAL SAFETY DATA SHEET

1. Identification of the Material and Company	
Product Name	ETHYLENE-VINYL ACETATE COPOLYMER
Trade Name	EVATHENE®
Main Applications	Foaming, Film Extrusion, Injection Molding, Hot Melt Adhesive.
Producer Information	Supplier Name: USI Corporation
	Addresses :12th Fl., No.37 Ji Hu Road, Nei Hu, Taipei, 114
	Phone: +886-2-2609-4192
2. Hazardous Identification :	
Hazardous category	None
Contents of label	None
Other Hazards	None
3. Composition/Information on Ingredients	
<u>Pure substance :</u>	
Product Name	Ethylene-Vinyl Acetate Copolymer
Synonyms	EVA
Chemical Abstracts Number	24937-78-8 (CAS No.)
Hazardous Components	None (Percentage of additives Ingredient)
<u>Mixture :</u>	
Chemical Character :	
Hazardous Components	Concentration / Percentage
None	---
4. First Aid Measures :	
<u>Emergency And First Aid Procedures :</u>	
●Eye Contact : Rinse opened eye for several minutes under running water. Seek medical advice if pain persists.	
●Inhalation : Supply fresh air when inhale dust or smokes during operation. Seek immediate medical advice.	
●Skin Contact : If contact with molten material, immediately immerse contacted area with cold water. Do not attempt to peel off the molten material from skin. Seek medical advice promptly.	
●Ingestion : Very low toxicity. May cause choking if swallow. Consult a physician when swallow a large amount of pellets.	
Major Symptom And Harm Effect : None	
First-Aid Personal Protection : No need	
Notes to physician : expatiate symptom or phenomenon of the patient.	
5. Fire Fighting Measures	
Suitable Extinguishing Media : Water, carbon dioxide, dry chemical, alcohol- or universal-type of foams, following the techniques recommended by the manufacturer.	
Special Exposure Hazards : Dust may be explosive when mix with air.	
Special Extinguishing Procedure : 1. Stand on the up-wind side, then apply fire extinguisher to cover the fire area thoroughly. 2. If possible, remove the remaining pellets or goods to a safe location. 3. Appropriate protective fire fighting clothing and respirator are necessary for firefighters.	

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6. Accidental Release Measures	
Personal Protection : None	
Environmental Protection : None	
Methods For Cleaning Up : Use standard disposal procedure to clean the leakage, and if the leakage is over the legal limit and may cause pollution, it is necessary to inform the local authorities.	
7. Handling And Storage :	
Handling : Keep the material away from the traffic area, for it may be slippery. Use in well-ventilated area. Proper grounding and packaging to prevent the build up of static electricity during transportation.	
Storage : Store in a cool location (60~80 °F, or 15~26°C), away from direct sunlight or any source of heat.	
Keep container tightly closed when not being used.	
Expiration Date: 3 years after manufacture date.	
8. Exposure Control/Personal Protection	
Engineering Control : Ventilated area to prevent accumulation of dust and fumes.	
Control Factor : TWA/STEL/CEILING/Biotic Index (BEI):---	
<u>Personal Protection Equipment :</u>	
●Respiratory Protection : Use dust-proof mask.	
●Hand Protection : Use rubber gloves. Use thermal resistant gloves, when needed.	
●Eye Protection : Use safety goggles, when dust is present.	
●Skin & Body Protection : Long sleeve lab coats and gloves to protect skin exposure.	
Hygiene Procedures : None	
9. Physical and Chemical Properties / Characteristics	
Appearance : Solid pellets	Odor : No odor.
Odor threshold : not applicable	PH value : Not applicable
Melting Point : 60 ~ 90°C	Boiling Point/ Boiling Range : Not applicable
Inflammability : Not applicable	Flash Point : not applicable
Decomposition Temperature : not applicable	Test Method : Open Cup Close Cup
Spontaneous Temperature : 300 ~ 350°C	Exposure Limits : Not applicable
Vapor Pressure : Not applicable	Vapor Density : Not applicable
Density: 0.925 ~ 0.955	Solubility In Water : Insoluble
Partition coefficient(n-octanol/water,log Kow) : ---	Volatility Speed : ---
10. Stability and Reactivity :	
Stability : Stable	
Special Conditions Of Hazardous Reaction : Not applicable.	
Conditions To Avoid : Temperature above 200 °C	
Incompatibility : might react with strong oxidant.	
Hazardous Decomposition Products : carbon monoxide, carbon dioxide and a wide variety of innocuous or toxic fumes.	

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11. Toxicological Information :

Exposure : May cause slight irritation to the respiratory system while inhaling the dust or smoke.

Symptom : None

Acute toxicity : None

Chronic toxicity : None

12. Ecological Information

Ecological Toxicity : Difficult to biodegrade. It can be recycled with appropriate technologies.

Sustainable and De-toxic : Difficult to naturally degrade.

Ecologic Accumulation : None

Liquidity in Soil : None

Other poor Effect : Improper burning may generate hazardous gas.

13. Disposal Information :

Disposal Information : Consult local laws and regulations, and safe burning through a waste incinerator is preferred.

14. Transport Information

The United Nations Number(UN-No) : Not regulated

The United Nations Shipping Name : Not regulated

D.O.T. Hazard Class : Not regulated as a hazardous for transportation.

Package Category : Not regulated

Maritime Pollutants : Not regulated

Special Transport Way And Note : Not regulated

15. Regulatory Information :

Ethylene-Vinyl Acetate Copolymer(CAS#24937-78-8) is listed in the following chemical inventories:

-USA-TSCA

-Canada-DSL

-European EINECS are exempt from the listings, all monomers are listed.

-Australian AICS

-Korean ECL

-Philippines PICCS

-Chinese Inventory of Existing Chemical Substances

16. Other Information :

Reference	None
Producer	USI Corporation
MSDS prepared by	Mr. CL Liu (Technical Support Department)
Revision date	2012/2/3