1. Identification of the Material and Company

Chemical Name: ETHYLENE-VINYL ACETATE COPOLYMER
Trade Name: EVATHENE®
Synonyms: ETHYLENE-VINYL ACETATE COPOLYMER RESINS, EVA

Main Applications: Foaming, Film Extrusion, Injection Molding, Hot Melt Adhesive.

Supplier Name: USI Corporation
Addresses: NO.330, FENGREN RD., RENWU DIST., KAOHSIUNG, TAIWAN
Emergency phone Number: +886-2-87516888

2. Hazardous Identification:

Not a hazardous substance or mixture
Classification according to Regulation (EC) No 1272/2008: None
Classification according to Regulation GHS: None

Contents of label: None
Other Hazards: None
Results of PBT and vPvB assessment: This information is not required.

3. Composition/Information on Ingredients

Mixture:

<table>
<thead>
<tr>
<th>Components</th>
<th>Ethylene-Vinyl Acetate Copolymer</th>
<th>Vinyl Acetate</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS No.</td>
<td>24937-78-8</td>
<td>108-05-4</td>
</tr>
<tr>
<td>EC No.</td>
<td>607-457-0</td>
<td>203-545-4</td>
</tr>
<tr>
<td>Percent%</td>
<td>&gt;99</td>
<td>&lt;0.5</td>
</tr>
<tr>
<td>Notes</td>
<td>Residual only</td>
<td></td>
</tr>
</tbody>
</table>

4. First Aid Measures

Emergency And First Aid Procedures:
- Inhalation: Supply fresh air. Get medical attention.
- Skin Contact: If contact with molten material, immediately immerse contacted area with cold water. Don't attempt to peel off the molten material from skin. Get medical attention.
- Eye Contact: Flush eyes with plenty of water for several minutes. Seek medical advice if pain persists.
- Ingestion: Get medical attention.

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
Hazardous Combustion Products: Carbon monoxide (CO), Carbon dioxide (CO2)

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.
Appropriate protective fire fighting clothing and respirator are necessary for firefighters.

6. Accidental Release Measures

Personal Protection: It may be slippery.
Environmental Protection: Do not flush into surface water or sanitary sewer system.
Methods For Cleaning Up: Stop leak and shovel into container for disposal.

7. Handling And Storage:

Handling: Before using, read the Product Data Sheet. Use in well-ventilated area.
Storage: Keep in a dry, cool place. Do not store in heat or direct sunlight.
- Keep container tightly closed when not being used.
Specific end uses: None
8. Exposure Control / Personal Protection

**Control Factor:**

Chemical Name: Vinyl Acetate

OSHA Exposure Limits
OSHA does not have a PEL for vinyl acetate.

ACGIH Exposure Limits
TLV-TWA (Time Weighted Average): 10 ppm (8hr)
TLV-STEL (Short Time Exposure Limit): 15 ppm (15min)

Chemical Name: ETHYLENE-VINYL ACETATE COPOLYMER

DNEL (Derived No Effect Levels): The product is exempt from REACH registration

PNEC (The Predicted No Effect Concentration): The product is exempt from REACH

PNEC is the concentration of a substance in any environment below which adverse effects will most likely not occur during long term or short term exposure.

Environmental exposure controls: No special environmental precautions required

**Personal Protection Equipment:**

- 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Solid pellets</td>
</tr>
<tr>
<td>Odor</td>
<td>Negligible</td>
</tr>
<tr>
<td>Color</td>
<td>Clear to Opaque, White to Off-White</td>
</tr>
<tr>
<td>Melting Point</td>
<td>60 ~ 90°C</td>
</tr>
<tr>
<td>PH value</td>
<td>No applicable data available.</td>
</tr>
<tr>
<td>Boiling Point/ Boiling Range</td>
<td>No applicable data available.</td>
</tr>
<tr>
<td>Inflammability</td>
<td>No applicable data available.</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No applicable data available.</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No applicable data available.</td>
</tr>
<tr>
<td>Test Method (Open Cup or Close Cup)</td>
<td>No applicable data available.</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>300 ~ 350°C</td>
</tr>
<tr>
<td>Exposure Limits</td>
<td>No applicable data available.</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No applicable data available.</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No applicable data available.</td>
</tr>
<tr>
<td>Density</td>
<td>0.925 ~ 0.955</td>
</tr>
<tr>
<td>Solubility In Water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Partition coefficient(n-octanol/water,log Kow)</td>
<td>No applicable data available.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No applicable data available.</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity:

**Reactivity:** Stable under normal conditions of handling, use and transportation.

**Stability:** Stable

Special Conditions Of Hazardous Reaction: Not applicable.

Conditions To Avoid: Avoid heating above the recommended processing temperature.

Incompatibility: might react with strong oxidant.

Hazardous Decomposition Products: CO, CO2, and a wide variety of innocuous or toxic fumes.
11. Toxicological Information:
Routes of exposure: Inhalation, ingestion, eyes, skin contact

Immediate effects:
- Eye: slight irritation, rabbit
- Inhalation: Dust irritating to respiratory tract.
- Skin Contact: slight irritation, rabbit
- Ingestion: Essentially non-toxic based on components.

Other:
Carcinogenicity data are not available.
Acute toxicity, Chronic toxicity or Long-term toxicity data are not available.

12. Ecological Information
Ecological Toxicity: Difficult to biodegrade. It can be recycled with appropriate technologies.
Sustainable and De-toxic: hard to naturally degrade.
Ecologic Accumulation: None
Liquidity in Soil: None
Results of PBT and vPvB assessment: This information is not required.
Other poor Effect: Improper burning may generate hazardous gas.

13. Disposal Information:
Disposal Information: Dispose of waste material at an approved waste incineration facility in accordance with applicable regulations.

14. Transport Information
Not classified as dangerous in the meaning of transport regulations.
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
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

15. Regulatory Information:
Ethylene-Vinyl Acetate Copolymer (CAS#24937-78-8) is listed in the following chemical inventories:
- Australian-AICS
- Canada-DSL
- Chinese Inventory of Existing Chemical Substances
- European EINECS are exempt from the listings, all monomers are listed.
- Japan-ENCS
- New Zealand-NZIoC
- Philippines-PICCS
- USA-TSCA
- Taiwan Toxic Chemical Substance Control Act (TCSCA)

16. Other Information:
Reference: None
Producer: USI Corporation
Addresses: No.9, Dinghu 5th St., Guishan Dist., Taoyuan City 33378, Taiwan (R.O.C.)
Phone Number: +886-2-8751-6888
Revision date: 2019/07/04

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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.