

Material Safety Data Sheet

DAIREN CHEMICAL CORP.

Ethylene Vinyl Acetate Emulsion

1. Product and company Information

Version: **1.2**

Number: **MS-139**

Product Name: Ethylene Vinyl Acetate Emulsion (**DA-104**)

Product Number:

Manufacturer /Supplier Name/Address/Telephone:

Dairen Chemical Corporation/1-3 Hsing Kung Road, Ta She Industrial Zone Kaohsiung Taiwan /
886-7-3514151

Emergency Contact (Phone/Fax): Phone Number 886-7-3514151 Fax Number: 886-7-3514090

2. Composition Information on Ingredients

Components :

- | | |
|--|-----------------------------------|
| 1. Name : Ethylene Vinyl Acetate Copolymer | CAS NO : 24937-78-8 |
| Percent Weight (wt%) : 55 min. | Hazardous Ingredients : — TWA : — |
| 2. Name : Water | Percent Weight : 45 |
-

3. Hazards Identification

Major Hazards

Health: —

Environment: Volatile gas polluting air and water

Physical or Chemical: Emulsion itself can hardly be ignited, but once it is dried, it is inflammable

Other: —

Major Symptoms: —

Hazardous Product Category (Health—Fire—Reactivity): —

4. First Aid Measures

Specific procedures for each route of exposure:

Skin contact:

1. Remove contaminated clothes.
2. Wash the contact area with plenty of water for at least 15 minutes.

Eye contact:

Rinse with plenty of water for at least 15 minutes.

Ingestion:

1. Make patients that are conscious drink lot of water.
2. If immediate medical assistance is not available, send patients to hospital, clinic or a doctor for professional care.

Major symptoms and reactions: —

Protection for people giving first aid: No special protection required

Advice to doctors: If a patient swallowed the product, consider wash his/her stomach.

5. Fire Fighting Measures

Suitable extinguishing media: chemical dry powder; carbon dioxide , foam

Possible hazard during extinction: —

Special extinction procedure: —

Special protection for firefighters: fire jacket

6. Accidental Release

Personal precaution: Allow air to circulate freely

Environmental precaution: 1. Remove all sources of fire; 2. Report to government agencies that are in charge of environment and workers' safety.

Methods for cleaning up: Use non-reactive absorbent and shovel the mixture into containers.

7. Handling and Storage

Handling: Follow sound industrial handling principles, avoid unnecessary contact and be extremely careful when handling.

Storage: keep temperature between 5 and 40 degrees Celsius.

8. Exposure Controls, Personal Protection

Engineering control: —

Control indicators:

TWA/STEL/Ceiling for an 8-hour day:

TWA: — STEL: — Ceiling: —

Bio-indicator:

LC₅₀(test-animal, route of absorption): —

LD₅₀(test-animal, route of absorption): —

Personal protection equipment:

Respiratory protection: organic vapor mask

Emergency or unknown density: —

Hand protection: —

Eye protection: safety goggles

Skin or body protection: boots, emergency shower

Hygiene considerations: 1. Smoking or eating prohibited in working area. 2. Wash hands thoroughly after handling the product. 3. Keep a clean working area.

9. Physical , Chemical Properties

State: Emulsion

Colour: Milky white

PH value: 4.0~7.0

Specific Gravity(H₂O=1) : 1.07

Ignition Temperature: —

Vapor Pressure: NA mmHg

Solid Material (wt%) : 55 min.

Form: Emulsion

Odour: Irritating

Melting/Boiling point: Boiling point 100°C

Flash Point: —

Testing Method: []uncovered []covered

Explosion Limits: Lower limit: —

Upper limit: —

Vapor Density: (air=1) NA

Water Solubility: 100

10. Stability and Reactivity

Stability: Stable

Possible hazard under special conditions: —

Conditions to be avoided: none

Material to be avoided: acids, alkalis

Hazardous Decomposition Material: —

11. Toxicological Information

Immediate toxic reaction: —

Effects on exposed region: —

Allergies induced: —

Effects of long-term exposure: —

Special reactions: —

12. Ecological Information

Possible effects on environment:

1. Do not stagnate, not decomposable by micro organisms.
 2. Pollute water when spilled into waterways.
-

13. Disposal Considerations

Waste disposal: Government-regulated incineration or controlled waste burial

14. Transport Information

International transportation regulations: follow regulations such as DOT, IATA/ICAO, IMDG

UN registration: —

Local transportation regulations: Article 84 of Road Traffic Safety Regulations(Taiwan)

Special transportation method and attention: —

15. Regulatory Information

Appropriate regulations: (Taiwan)

Labor Safety and Health Facilities Regulations, Road Traffic Safety Regulations, Industrial Waste Storage and Disposal Regulations, and Facility Standards and Toxic Chemicals Regulations

16. Other Information

Reference: Industrial Technology Research Institute(Taiwan)

This data sheet is produced by:

Name: Dairen Chemical Corporation Kaohsiung Plant

Address/Telephone: 1-3 Hsing Kung Road, Ta She Industrial Zone Kaohsiung Taiwan /

886-7-3514151

Author:

Position : Manager of EVA Sec.,Production Department Kaohsiung Plant

Name : **M T HUAN**

Date : **April 18th, 2005**
