

# Safety Data Sheet(SDS)

Last revised date: 13-02-2023

+82-31-596-3114

# 1. Identification

1) Product identifier: VC590

2) Recommended use of the chemical and restrictions on use

o Recommended use of the chemical

Feed materials, Intermediates

o Restrictions on use

Use for recommended use only

Do not use it for weapons manufacturing and related purposes.

3) Details of the supplier of the safety data sheet

o Seller

Company name: Lotte Chemical Corporation

Address: 05551 Lotte World Tower, 300, Olympic-ro, Songpa-gu, Seoul, 05551 Rep. of KOREA

+82-2-829-4114

Telephone number:

Emergency phone number								
	Yeosu Plant	+82-61-688-2100	Ulsan Plant	+82-52-278-3500				
	Daesan Plant	+82-41-689-5900	Yeosu Plant(Advanced Materials)	+82-61-689-1100				

**Advanced Materials** 

Fax number: +82-2-834-6070

**Basic Chemicals** 

# 2. Hazards identification

- 1) Hazard classification
  - Not applicable
- 2) Allocation label elements

Hazard pictograms

- Not applicable

Signal word

- NONE

Hazard statements

- Not applicable

#### Precautionary statements

- Not applicable

# 3) Other hazards:

According to experience and information provided, this product does not affect harmful effects when using and handling it as a regulation.

# 3. Composition/Information on ingredients

Chemical name	Common name	CAS No.	Content(wt%)
	Acetic acid ethenyl ester polymer with ethane	24937-78-8	>=95 ~ <=100

#### 4. First-aid measures

- 1) Following eye contact
  - Call a physician immediately.
- 2) Following skin contact
  - Get medical attention if irritation develops and persists.
  - Remove contaminated clothing and shoes.
- 3) Following inhalation
  - If symptoms persist, call a physician.
  - Move to fresh air.
- 4) Following ingestion
  - If accidentally swallowed obtain immediate medical attention.
- 5) Delayed and immediate effects and also chronic effects from short and long term exposure No data available
- 6) Advice to physician
  - In the case of accident or if you feel unwell, seek medical advice immediately.

#### Fire-Fighting measures

- 1) Suitable (and unsuitable) extinguishing media
  - Suitable extinguishing media
    - Large fire: Water spray/fog, regular foam (Suitable extinguishing media).
    - Small fire: Dry sand, dry chemical, alcohol-resistant foam, water spray, regular foam, CO2 (Suitable extinguishing media).
    - Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
  - O Unsuitable extinguishing media

- Do not use a solid water stream as it may scatter and spread fire.
- 2) Special hazards arising from the substance or mixture
  - o Pyrolytic product
    - No data available
  - O Risk of fire and explosion
    - Heating or fire can release toxic gas.
  - o Other
    - May cause toxic effects if inhaled.
- 3) Special protective equipment for firefighters
  - In the event of fire, wear self-contained breathing apparatus.

#### 6. Accident release measures

- 1) Personal precautions, protective equipment and emergency procedures
  - Avoid dust formation.
- 2) Environmental precautions
  - Try to prevent the material from entering drains or water courses.
- 3) Methods and materials for containment and cleaning up
  - Keep in suitable, closed containers for disposal.
  - Pick up and arrange disposal without creating dust.

#### Handling and storage

- 1) Precautions for safe handling
  - For personal protection see section 8.
  - Smoking, eating and drinking should be prohibited in the application area.
- 2) Conditions for safe storage (including any incompatibilities)
  - Please note that materials and conditions to be avoided.
  - Store in a dry place. Store in a closed container.

# 8. Exposure controls & personal protection

- 1) Chemical exposure limits, Biological exposure standard
  - Contains no substances with occupational exposure limit values.
- 2) Appropriate engineering controls
  - Ensure adequate ventilation and exhaust ventilation at the workplace.
- 3) Personal protective equipment
  - Respiratory protection
    - If you have a direct contact or exposed to the material, wear the appropriate form of respiratory protection certified.
  - o Eye protection

- If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles.
- Hand protection
  - Wear chemical safety gloves.
- Skin protection
  - Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

# 9. Physical and chemical information

Property name	Values	Source
Appearance		
Physical state	solid	
Color	transparent,white	
Odor	slight	
Odor threshold	No data available	
рН	Not applicable	
Melting point/freezing point	50 - 110 ℃	
Initial boiling point and boiling range(°C)	No data available	
Flash point(°C)	260°C	
Evaporation rate	Not applicable	
Flammability(solid, gas)	No data available	
Upper/lower flammability or explosive limits	No data available	
Vapour pressure	Not applicable	
Solubility(ies)	No data available	
Vapour density	Not applicable	
Relative density	No data available	
n-octanol/water partition coefficient	No data available	
Auto ignition temperature	> 259 °C	
Decomposition temperature	No data available	
Viscosity(mm²/s, 40°C)	No data available	
Molecular weight(mass)	> 1,000 g/mol	
Density	0.92 - 0.96 g/cm³	
Specific gravity	0.92 - 0.96	

# 10. Stability and reactivity

- 1) Chemical stability and Possibility of hazardous reactions
  - No decomposition if stored and applied as directed.
  - Stable at normal ambient temperature and pressure.
- 2) Conditions to avoid
  - Follow precautionary advice and avoid incompatible materials and conditions
- 3) Incompatible materials
  - Combustible material
- 4) Hazardous decomposition products
  - This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regula

# 11. Toxicological information

- 1) Information on the likely routes of exposure
  - No data available
- 2) Health hazard information
  - Acute toxicity
    - Acute toxicity(Oral)
      - No data available
    - Acute toxicity(Dermal)
      - No data available
    - Acute toxicity(Inhalation:Gases)
      - No data available
    - Acute toxicity(Inhalation:Vapours)
      - No data available
    - Acute toxicity(Inhalation:Dust/mist)
      - No data available
  - Skin corrosion/irritation
    - No data available
  - o Serious eye damage/eye irritation
    - No data available
  - Respiratory sensitization
    - No data available
  - Skin sensitization

- No data available
- Carcinogenicity
  - No data available
- o Germ cell mutagenicity
  - No data available
- Reproductive toxicity
  - No data available
- Specific target organ toxicity single exposure
  - No data available
- Specific target organ toxicity repeated exposure
  - No data available
- O Aspiration hazard
  - No data available

# 12. Ecological information

- 1) Ecotoxicity
  - Hazardous to the aquatic environment, short-term (acute)
    No data available
  - Hazardous to the aquatic environment, long-term (chronic)
    No data available
- 2) Persistence and degradability

No data available

- 3) Bioaccumulative potential
  - n-octanol water partition coefficient (Not applicable)
  - Bioconcentration factor(BCF)
    (112 ug / L 2.1 sigan BCF (residual) bit duckweed 60ug / L)
- 4) Mobility in soil

No data available

5) Other adverse effects

No data available

#### 13. Disposal considerations

- 1) Disposal methods
  - Empty containers should be taken to an approved waste handling site for recycling or disposal.
- 2) Precautions (including disposal of contaminated container of package)
  - Dispose of in accordance with local regulations.
  - Send to a licensed waste management company.

#### 14. Transport information

1) UN No.: Not applicable

2) Proper shipping name: Not applicable

3) Hazard class: Not applicable

4) Packing group: Not applicable

5) Marine pollutant: Not applicable

6) Special precautions for user related to transport or transportation measures :

Emergency measures in case of fire: Not applicable

Emergency measures in the effluent: Not applicable

- ADR

· Tunnel restriction code : Not applicable

- IMDG

· Marine pollutant : Not applicable

- Air transport(IATA)

· UN No. : Not applicable

· Proper shipping name : Not applicable

· Class or division : Not applicable

· Packing group : Not applicable

- Maritime transport in bulk according to IMO instruments :

Not applicable

# 15. Regulatory information

Australia Industrial Chemicals Act

- Not applicable

China Inventory of Existing Chemical Substances (IECSC)

• Inventory - China - Inventory of Existing Chemical Substances (IECSC)

- Ethylene/vinyl acetate copolymer: Present [39322]

#### 92/32/EEC

- Inventory European Union European List of Notified Chemical Substances (ELINCS)
- Ethylene/vinyl acetate copolymer: EC No. 429-840-1

European Union Official Journal of the European Communities 15 June 1990 - Annex Based on Article 13 of Directive 67/548/EEC Amended by Directive 79/831/EEC

- Not applicable

Japan Law Concerning the Examination and Regulations of Manufacture, etc. of Chemical Substances

- Inventory Japan Existing and New Chemical Substances (ENCS)
- Ethylene/vinyl acetate copolymer: (6)-6

New Zealand Environmental Protection Authority, Inventory of Chemicals

- Inventory New Zealand Inventory of Chemicals (NZIoC)
- Ethylene/vinyl acetate copolymer : May be used as a single component chemical under an appropriate group standard

Turkey Regulation on Inventory and Control of Chemicals

- Not applicable

Taiwan Chemical Substance Inventory

- Inventory Taiwan Taiwan Chemical Substance Inventory (TCSI)
- Ethylene/vinyl acetate copolymer : Present

U.S. Toxic Substances Control Act

Vietnam National Chemicals Inventory (NCI)

- Inventory Vietnam National Chemicals Inventory (NCI) (DRAFT)
- Ethylene/vinyl acetate copolymer: Present 15833

#### 16. Other information

1) Reference

NCIS, KOSHA, Montreal Protocol, ECHA, OECD SIDS, EU IUCLID, HSDB(PubChem), NITE, NTP, ACGIH, IARC, NIOSH, ChemIDplus, EPA, EPI Suite, INCHEM

2) Issue date: 13-02-2023

#### 3) Revision date

O Revised date count: 2-1

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#### 4) Other

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: Agreement Concerning the International Carriage of Dangerous Goods by Road

ATE : The Acute Toxicity Estimate ECHA : European Chemicals Agency

EPA: United States Environmental Protection Agency EPI Suite: The Estimation Programs Interface for Windows

EU IUCLID: International Uniform Chemical Information Database

**HSDB**: Hazardous Substances Data Bank

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods Codes

INCHEM: Internationally Peer Reviewed Chemical Safety Information

M-Factor: The Multiplication Factor

NIOSH: National Institute of Occupational Safety and Health NITE: National Institute of Technology and Evaluation(JAPAN)

NTP : National Toxicology Program SCL : Specific Concentration Limit

OECD SIDS: Organization for Economic Co-operation and Development Screening Information Dataset