

Safety Data Sheet

According to 1907/2006/EC, Article 31

Date Printed 12.12.2023

Version 7 (Replaces Version 6)

Revision Date 12.12.2023

* Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

- **Product Identifier:** Formolon® Dispersion PVC/PVA Copolymer
- **Synonyms:** Dispersion/Paste Polyvinyl Chloride-Polyvinyl Acetate Copolymer
- **Article Number:** F40, F45
- **Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:**
Resin, extrusion and compounding, plastic molding, molded articles, films and coatings.
- **Manufacturer/Supplier:**
Formosa Plastics Corporation, Texas
201 Formosa Drive
Point Comfort, TX 77978 USA
+1 (361) 987-7000
E-Mail: MSDS@fpcusa.com
- **European REACH Representative:**
INTERTEK FRANCE
Allée de la Fosse Moret
Ecological park 2
27400 Heudebouville
France
Telephone number: +33 2 79 23 03 49
Email address: if.reach@intertek.com
- **Business Division:** Specialty (Dispersion) PVC
- **Emergency Telephone Number:**
In case of a chemical emergency, contact CHEMTREC (24 hrs) at:
+1 (800) 424-9300 (United States, Canada, Puerto Rico, Virgin Islands)
+1 (703) 527-3887 (International & Maritime)

* Section 2: Hazards Identification

- **Classification of the Substance or Mixture:**
- **Classification according to Regulation (EC) No 1272/2008**
The product is not classified as hazardous to health or the environment according to the CLP regulation..
- **Hazards Not Otherwise Classified:** Combustible dust. May form combustible dust concentrations in air.
- **Hazard Pictograms:** Not applicable.
- **Signal Word:** Not applicable.
- **Hazard Statements:** Combustible dust. May form combustible dust concentrations in air.
- **Precautionary Statements:**
P264 Wash thoroughly after handling.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.

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EU

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• **Additional Information:**

If you do not understand the hazards or safety precautions described in this data sheet, contact your supervisor or safety administrator before handling this product.

* Section 3: Composition/Information on Ingredients

• **Dangerous Components:**

CAS No.	Description	%	Index	R-phrases
CAS: 9003-22-9	polyvinyl chloride-polyvinyl acetate copolymer			≥97%
CAS: 151-21-3	sodium lauryl sulfate			≤3%
EINECS: 205-788-1	⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319			

* Section 4: First Aid Measures

- **General Information:** Provide symptomatic and supportive care.
- **After Inhalation:**
Remove victim to fresh air.
Administer oxygen if breathing is difficult.
Administer artificial respiration if breathing has stopped.
Get medical assistance if irritation or other symptoms develop.
- **After Skin Contact:**
Wash affected area with soap and water.
Get medical assistance if irritation or other symptoms develop.
- **After Eye Contact:**
In case of accidental contact, immediately flush eyes with water.
Hold eyelids open to ensure adequate flushing.
Get medical assistance if irritation or other symptoms develop.
- **After Swallowing:**
Administer 1-2 glasses of water to dilute ingested material.
Never give anything by mouth to an unconscious person.
Get medical advice/attention.
- **Most Important Symptoms and Effects, Both Acute and Delayed:**
No further relevant information available.
- **Indication of Any Immediate Medical Attention and Special Treatment Needed:**
No further relevant information available.

* Section 5: Firefighting Measures

- **Suitable Extinguishing Agents:** CO₂, powder or water spray. Fight larger fires with water spray.
- **Special Hazards Arising from the Substance or Mixture:**
Combustible dust. May form combustible dust concentrations in air.
- **Dust Explosivity (Kst) Rating:** St 1 - Weak to moderate explosive dust (Kst = 0-200 bar-meter/second)

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- **Advice for Firefighters:**

- **Protective Equipment:**

In the event of a fire, wear a NIOSH (USA) or CEN (EU) approved self-contained breathing apparatus (SCBA) and full protective clothing.

* Section 6: Accidental Release Measures

- **Personal Precautions, Protective Equipment and Emergency Procedures:**

Avoid formation of dust.

Restrict access to keep out unauthorized or unprotected personnel.

Wear appropriate personal protective equipment during all clean-up activities. See Section 8 for more information.

Avoid inhalation and direct contact.

- **Environmental Precautions:** Keep spilled material out of sewage/drainage systems and waterways.

- **Methods and Material for Containment and Cleaning Up:**

Collect spilled material using a method that controls dust generation such as a high efficiency particulate air (HEPA) vacuum.

Place waste in an appropriate container for disposal.

Use care during clean-up to avoid exposure to the material and injury from broken containers.

- **Reference to Other Sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

* Section 7: Handling and Storage

- **Precautions for Safe Handling:**

Avoid inhalation and direct contact.

Avoid formation of dust.

- **Protection Against Fires and Explosions:**

- **Conditions for Safe Storage, Including Any Incompatibilities:**

Store in closed, properly labeled containers.

Protect containers from heat, physical damage, ignition sources and incompatible materials.

Have emergency equipment for fires and spills readily available.

- **Additional Information:**

If you do not understand the hazards or safety precautions described in this data sheet, contact your supervisor or safety administrator before handling this product.

* Section 8: Exposure Controls/Personal Protection

- **Control Parameters:**

- **Occupational Exposure Limits:**

Use occupational exposure limits for dust when controlling exposure to this product.

- **Exposure Controls:** Use local exhaust ventilation during dust or mist producing operations.

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- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:** Wash thoroughly after handling.
- **Respiratory protection:**
An air-purifying respirator may be appropriate under limited exposure conditions.
An industrial hygiene risk assessment is required to determine appropriate respiratory protection.

- **Hand protection**



Work gloves.

- **Eye/face protection**



Safety glasses with side shields.

- **Body protection:** Protective work clothing
 - **Additional Information:**
If unusual exposures are expected, an industrial hygiene review of work practices, engineering controls and personal protective equipment is recommended.
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* Section 9: Physical and Chemical Properties

- **Information on Basic Physical and Chemical Properties:**
- **Physical state** Solid
- **Colour:** White
- **Odour:** Odourless
- **Odour Threshold:** Not determined.
- **Melting Point/Freezing Point:** Not determined.
- **Boiling Point or Initial Boiling Point and Boiling Range:** Not determined.
- **Flammability:** Not determined.
- **Lower and Upper Explosion Limit:**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Flash Point:** Not applicable.
- **Ignition Temperature:** Not determined.
- **Decomposition Temperature:** Not determined.
- **pH:** Not determined.
- **Viscosity:** Not determined.
- **Solubility:**
- **Water:** Insoluble.
- **Partition Coefficient n-octanol/water (log value):** Not determined.
- **Vapour Pressure:** Not determined.
- **Density and/or relative density**
- **Density:** Not determined.

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· Vapour Density:	Not applicable.
· Particle characteristics	Not determined
· Other Information:	
· Physical State:	Powder
· Auto-Ignition Temperature:	Not determined.
· Explosive Properties:	Product does not present an explosion hazard.
· Solids content:	99.0 %
· Evaporation Rate:	Not applicable.
· Information with regard to physical hazard classes	
· Explosives	Not applicable.
· Aerosols	Not applicable.
· Oxidising gases	Not applicable.
· Gases under pressure	Not applicable.
· Flammable liquids	Not applicable.
· Flammable solids	Not applicable.
· Self-reactive substances and mixtures	Not applicable.
· Pyrophoric liquids	Not applicable.
· Pyrophoric solids	Not applicable.
· Self-heating substances and mixtures	Not applicable.
· Substances and mixtures, which emit flammable gases in contact with water	Not applicable.
· Oxidising liquids	Not applicable.
· Oxidising solids	Not applicable.
· Organic peroxides	Not applicable.
· Corrosive to metals	Not applicable.
· Desensitised explosives	Not applicable.

* Section 10: Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical Stability:** Stable if used and stored according to the specifications listed below.
- **Conditions to Avoid:** Keep away from heat, sparks and open flames.
- **Possibility of Hazardous Reactions:** No dangerous reactions known.
- **Conditions to Avoid:**
No further relevant information available.
Stable up to melting point.
- **Incompatible Materials:** No further relevant information available.
- **Hazardous Decomposition Products:** No data available.

* Section 11: Toxicological Information

- **Acute Toxicity:** Based on available data, the classification criteria are not met.
- **Skin Corrosion/Irritation:** Based on available data, the classification criteria are not met.

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- **Serious Eye Damage/Irritation:**

Causes eye irritation.

Eye irritant effects are based on extrapolation from the hazards of the ingredients combined with FPC USA's experience during occupational handling.

- **Respiratory Irritation:** May cause respiratory irritation.

- **Respiratory or Skin Sensitisation:** No data available.

- **Subacute to Chronic Toxicity:** No data available.

- **Carcinogen Classification:**

- **Substances Classified by IARC (International Agency for Research on Cancer):**

9003-22-9 polyvinyl chloride-polyvinyl acetate copolymer: 3

- **Endocrine Disrupting Properties:**

None of the ingredients is listed.

* **Section 12: Ecological Information**

- **Persistence and Degradability:** No data available.

- **Bioaccumulative Potential:** No data available.

- **Endocrine Disrupting Properties:**

The product does not contain substances with endocrine disrupting properties.

* **Section 13: Disposal Considerations**

- **Disposal Instructions:**

Dispose of waste in accordance with applicable laws and regulations.
Maximize product recovery for reuse or recycling.

* **Section 14: Transport Information**

- **UN number or ID number**

- **ADR, ADN, IMDG, IATA** Not applicable.

- **UN Proper Shipping Name:**

- **ADR, ADN, IMDG, IATA** Not applicable.

- **Transport Hazard Class(es):**

- **ADR, ADN, IMDG, IATA**

- **Class** Not applicable.

- **Packing Group:**

- **ADR, IMDG, IATA** Not applicable.

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- **Environmental Hazards:** Not applicable.

 - **Maritime Transport in Bulk According to IMO Instruments:** Not applicable.

 - **Transport/Additional information:**
 - **ADR**
 - **Remarks:** This product is not regulated as a hazardous material/dangerous good for transportation.
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* Section 15: Regulatory Information

- **Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:**
 - **Hazard Pictograms:** Not applicable.
 - **Signal Word:** Not applicable.
 - **Hazard Statements:** Combustible dust. May form combustible dust concentrations in air.
 - **Precautionary Statements:**
 - P264 Wash thoroughly after handling.
 - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P337+P313 If eye irritation persists: Get medical advice/attention.
 - **Directive 2004/42/EC**

 - **Directive 2012/18/EU:**
 - **Named Dangerous Substances - ANNEX I:** None of the ingredients is listed.
 - **Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
 - None of the ingredients is listed.
 - **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**
 - None of the ingredients is listed.
 - **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**
 - None of the ingredients is listed.
 - **Regulation (EC) No 273/2004 on drug precursors**
 - None of the ingredients is listed.
 - **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**
 - None of the ingredients is listed.
 - **Chemical Safety Assessment:** A Chemical Safety Assessment has not been carried out.
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* Section 16: Other Information

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Formosa Plastics Corporation, U.S.A. at the time it was prepared. Formosa Plastics Corporation, U.S.A. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards

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are described herein, Formosa Plastics Corporation, U.S.A. and its subsidiaries cannot guarantee that these are the only hazards that exist. Formosa Plastics Corporation, U.S.A. assumes no legal responsibility for loss, damage or expense arising out of, or in any way connected with, the handling, storage, use or disposal of this product.

• Relevant phrases

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

• Department Issuing Safety Data Sheet: Corporate Environment, Health & Safety**• Contact:** msds@fpcusa.com**• Version number of previous version:** 6**• Abbreviations and Acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labeling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

• Sources

This Safety Data Sheet conforms to regulation 1907/2006/EC (REACH). This product has been classified in accordance with European CLP regulations (1272/2008/EC).

* - Indicates that data has been updated from the previous version.