

## Safety Data Sheet

According to 1907/2006/EC, Article 31

Date Printed 21.03.2023

Version 12 (Replaces Version 11)

Revision Date 21.03.2023

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

- **Product Identifier:** Formolon® Dispersion PVC Homopolymer
  - **Synonyms:** Dispersion/Paste Polyvinyl Chloride Homopolymer
  - **Product Code:**  
F10, F24A, F28, F34, F74, FKVF, FKVH, FNVA  
Discontinued Products: F25, F28A, F38, F38A, F1071, FNVW
  - **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  
Eco parc 2  
27400 Heudebouville  
France  
Phone number : +33 2 79 23 03 49  
Email address: if.reach@intertek.com
  - **Business Division:** Specialty (Dispersion) PVC
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- **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:** 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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**Product Identifier: Formolon® Dispersion PVC Homopolymer**


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- **Other Hazards:**

- **Determination of Endocrine-Disrupting Properties:**

127087-87-0  $\alpha$ -(4-nonylphenyl)- $\omega$ -hydroxy poly(oxy-1,2-ethanediyl), branched: List I


- **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.

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### \* Section 3: Composition/Information on Ingredients

- **Dangerous Components:**

CAS No.	Description	%	Index	R-phrases
CAS: 9002-86-2	polyvinyl chloride			>95%
CAS: 151-21-3	sodium lauryl sulfate			<1.5%
EINECS: 205-788-1	 Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319			
CAS: 127087-87-0	$\alpha$ -(4-nonylphenyl)- $\omega$ -hydroxy poly(oxy-1,2-ethanediyl), branched Substance identified as having endocrine disrupting properties (I)			0.1-1%

- **Substances of Very High Concern (SVHC):**

127087-87-0  $\alpha$ -(4-nonylphenyl)- $\omega$ -hydroxy poly(oxy-1,2-ethanediyl), branched

- **Additional information:** CAS number 127087-87-0 is only used in grade F34.

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### \* 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 advice/attention.

- **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.

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### \* Section 5: Firefighting Measures

- **Suitable Extinguishing Agents:** CO<sub>2</sub>, 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)
  - **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.
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### \* 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.
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### \* Section 7: Handling and Storage

- **Precautions for Safe Handling:**  
Avoid inhalation and direct contact.  
Avoid formation of dust.  
Accumulations of dust should be removed from settling areas.  
Follow good engineering and work practices, including routine housekeeping.  
Promptly clean up spills to avoid slip and fall hazard.
- **Protection Against Fires and Explosions:**  
Dust can combine with air to form an explosive mixture.  
Keep away from heat, sparks, open flames and hot surfaces. No smoking.  
Take precautions against static discharge.  
Transfer and store in properly bonded and grounded containers.  
Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids (latest edition), and NFPA 499, Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas.

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- **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.

- **Specific End Uses:** Resin, extrusion and compounding, plastic molding, molded articles, films and coatings.

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### \* Section 8: Exposure Controls/Personal Protection

- **Control Parameters:** Use occupational exposure limits for dust when controlling exposure to this product.

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

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures:**

Wash thoroughly after handling.

Avoid contact with the eyes and skin.

- **Respiratory protection:**

An air-purifying respirator may be appropriate under limited exposure conditions.

Protection provided by air-purifying respirators is limited.

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.

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· <b><u>Boiling Point or Initial Boiling Point and Boiling Range:</u></b>	Not determined.
· <b><u>Flammability:</u></b>	Not determined.
· <b><u>Lower and Upper Explosion Limit:</u></b>	
· <b><u>Lower:</u></b>	Not determined.
· <b><u>Upper:</u></b>	Not determined.
· <b><u>Flash Point:</u></b>	Not applicable.
· <b><u>Ignition Temperature:</u></b>	Not determined.
· <b><u>Decomposition Temperature:</u></b>	Not determined.
· <b><u>pH:</u></b>	Not determined.
· <b><u>Viscosity:</u></b>	Not determined.
· <b><u>Solubility:</u></b>	
· <b><u>Water:</u></b>	Insoluble.
· <b><u>Partition Coefficient n-octanol/water (log value):</u></b>	Not determined.
· <b><u>Vapour Pressure:</u></b>	Not determined.
· <b><u>Density and/or relative density</u></b>	
· <b><u>Density:</u></b>	Not determined.
· <b><u>Vapour Density:</u></b>	Not applicable.
· <b><u>Particle characteristics</u></b>	See item 3.
· <b><u>Other Information:</u></b>	
· <b><u>Physical State:</u></b>	Powder
· <b><u>Auto-Ignition Temperature:</u></b>	Not determined.
· <b><u>Explosive Properties:</u></b>	Combustible dust. May form combustible dust concentrations in air.
· <b><u>Evaporation Rate:</u></b>	Not applicable.
· <b><u>Information with regard to physical hazard classes</u></b>	
· <b><u>Explosives</u></b>	Not applicable.
· <b><u>Flammable gases</u></b>	Not applicable.
· <b><u>Aerosols</u></b>	Not applicable.
· <b><u>Oxidising gases</u></b>	Not applicable.
· <b><u>Gases under pressure</u></b>	Not applicable.
· <b><u>Flammable liquids</u></b>	Not applicable.
· <b><u>Flammable solids</u></b>	Not applicable.
· <b><u>Self-reactive substances and mixtures</u></b>	Not applicable.
· <b><u>Pyrophoric liquids</u></b>	Not applicable.
· <b><u>Pyrophoric solids</u></b>	Not applicable.
· <b><u>Self-heating substances and mixtures</u></b>	Not applicable.
· <b><u>Substances and mixtures, which emit flammable gases in contact with water</u></b>	Not applicable.
· <b><u>Oxidising liquids</u></b>	Not applicable.
· <b><u>Oxidising solids</u></b>	not applicable.
· <b><u>Organic peroxides</u></b>	Not applicable.
· <b><u>Corrosive to metals</u></b>	Not applicable.
· <b><u>Desensitised explosives</u></b>	Not applicable.

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* <b>Section 10: Stability and Reactivity</b>
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- **Reactivity:** No further relevant information available.
- **Chemical Stability:** Stable if used and stored according to the specifications listed below.

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- **Conditions to Avoid:** Keep away from heat, sparks and open flames.
  - **Possibility of Hazardous Reactions:** No dangerous reactions known.
  - **Incompatible Materials:** No further relevant information available.
  - **Hazardous Decomposition Products:** No data available.
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### \* Section 11: Toxicological Information

- **Acute Toxicity:** This product is not acutely toxic.
  - **Skin Corrosion/Irritation:** Based on available data, the classification criteria are not met.
  - **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):**  
9002-86-2 polyvinyl chloride: 3
  - **Endocrine Disrupting Properties:**  
127087-87-0  $\alpha$ -(4-nonylphenyl)- $\omega$ -hydroxy poly(oxy-1,2-ethanediyl), branched: List I
- 

### \* Section 12: Ecological Information

- **Aquatic Toxicity:** No data available.
  - **Persistence and Degradability:** No data available.
  - **Bioaccumulative Potential:** No data available.
  - **Endocrine Disrupting Properties:** For information on endocrine disrupting properties see section 11.
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### \* Section 13: Disposal Considerations

- **Disposal Instructions:**  
Dispose of waste in accordance with applicable laws and regulations.  
Maximize product recovery for reuse or recycling.
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### \* Section 14: Transport Information

- **UN number or ID number**
- **ADR, ADN, IMDG, IATA** Not applicable.

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- **UN Proper Shipping Name:**

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

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

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

- **Class** Not applicable.

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- **Packing Group:**

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

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- **Environmental Hazards:** Not applicable.

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- **Maritime Transport in Bulk According to IMO Instruments:**

- Not applicable.

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- **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**

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- **Directive 2012/18/EU:**

- **Named Dangerous Substances - ANNEX I:** None of the ingredients is listed.

- **List of Substances Subject to Authorisation (Annex XIV):**

- 127087-87-0  $\alpha$ -(4-nonylphenyl)- $\omega$ -hydroxy poly(oxy-1,2-ethanediyl), branched: Sunset date: 2021-01-04

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- **Regulation (EU) No 649/2012:**

- 127087-87-0  $\alpha$ -(4-nonylphenyl)- $\omega$ -hydroxy poly(oxy-1,2-ethanediyl), branched: Annex I Part 1  
Annex I Part 2

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- **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.

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**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**


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None of the ingredients is listed.

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**Regulation (EC) No 273/2004 on drug precursors**


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None of the ingredients is listed.

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**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**


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None of the ingredients is listed.

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**REGULATION (EC) No 1005/2009 on substances that deplete the ozone layer – ANNEX I (Ozone-depleting potential)**


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**Additional Classification According to Decree on Hazardous Materials, Annex II:**


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**Substances of Very High Concern (SVHC) According to REACH, Article 57:**


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127087-87-0  $\alpha$ -(4-nonylphenyl)- $\omega$ -hydroxy poly(oxy-1,2-ethanediyl), branched

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**Chemical Safety Assessment:** A Chemical Safety Assessment has not been carried out.
 

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**Section 16: Other Information**


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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 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.

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**Relevant phrases**


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H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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**Department Issuing Safety Data Sheet:** Corporate Environment, Health & Safety
 

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**Version number of previous version:** 11
 

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**Abbreviations and Acronyms:**


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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)

SVHC: Substances of Very High Concern

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

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**Sources**


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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).

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

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