Safety Data Sheet

according to OSHA HCS, NOM 018-STPS-2015, HPR Schedule 1

Date Printed: 02/03/2025 Version 13 Revision Date: 03/21/2023

* 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

· **Product Application:** 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

· **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)

2 Hazards Identification

· **Classification of the Substance or Mixture:**
Eye Irritation 2B H320 Causes eye irritation.

· **Hazards Not Otherwise Classified:** Combustible dust. May form combustible dust concentrations in air.

· **Hazard Pictograms:** Not applicable.

· **Signal Word:** WARNING

· **Hazard Statements:**
May form combustible dust concentrations in air.
H320 Causes eye irritation.

· **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 attention.

· **NFPA Ratings (scale 0 - 4):**

Health = 0
Fire = 1
Reactivity = 0

· **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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*
3 Composition/Information on Ingredients

· **Chemical Characterization: Mixtures**

· **CAS No. Description**

9002-86-2 polyvinyl chloride >95%

151-21-3 sodium lauryl sulfate <1.5%

Acute Toxicity - Oral 4, H302; Acute Toxicity - Dermal 4, H312; Skin Irritation 2, H315; Eye Irritation 2A, H319

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 artifical 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 attention.

· **After Swallowing:**
Administer 1-2 glasses of water to dilute ingested material.
Never give anything by mouth to an unconscious person.
Get medical attention.

· **Most Important Symptoms and Effects:** No further relevant information available.

5 Firefighting Measures

· **Suitable Extinguishing Agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray.

· **Special Firefighting Hazards:** 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)

· **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.

6 Accidental Release Measures

· **Personal Precautions, Protective Equipment and Emergency Procedures:**
Avoid dust formation.

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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 for Containment and Clean-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 protective equipment.
See Section 13 for disposal information.

7 Handling and Storage

· **Precautions for Safe Handling:**
Avoid inhalation and direct contact.
Avoid dust formation.
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.

· **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.

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

· **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.

8 Exposure Controls/Personal Protection

· **Occupational Exposure Limits:**
Use occupational exposure limits for dust when controlling exposure to this product.

9002-86-2 polyvinyl chloride

EL (Canada) Eight-Hour Value: 1 mg/m³

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VLE (Mexico) Eight-Hour Value: 1* mg/m³
A4, *fracción respirable

TLV (USA) Eight-Hour Value: 1* mg/m³
*as respirable fraction, A4

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

· **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.

9 Physical/Chemical Properties

· **Information on Basic Physical and Chemical Properties**

· **Appearance:**

Physical State:	Powder
Color:	White
· **Odor:**	Odorless
· **Odor Threshold:**	Not determined.
· **pH:**	Not determined.
· **Melting Point/Freezing Point:**	Not determined.
· **Boiling Point:**	Not determined.
· **Flash Point:**	Not applicable.
· **Flammability:**	Not determined.

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· **Autoignition Temperature:**	Not determined.
· **Decomposition Temperature:**	Not determined.
· **Auto-Ignition Temperature:**	Not determined.
· **Explosion Limits:**	
Lower Explosive Limit (LEL):	Not determined.
Upper Explosive Limit (UEL):	Not determined.
· **Vapor Pressure:**	Not determined.
· **Density:**	Not determined.
· **Vapor Density:**	Not applicable.
· **Evaporation Rate:**	Not applicable.
· **Solubility:**	
Water:	Insoluble.
· **Partition Coefficient (n-octanol/water):**	Not determined.
· **Viscosity:**	Not determined.
· **Other Information:**	No further relevant information available.

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/Incompatible Materials:** No dangerous reactions known.

· **Hazardous Decomposition Products:** No data available.

* 11 Toxicological Information

· **Acute Toxicity:** This product is not acutely toxic.

· **Skin Irritation:** Based on available data, the classification criteria are not met.

· **Eye 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 Sensitization:** No data available.

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

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· **Carcinogen Classification:**

· **Substances Classified by IARC (International Agency for Research on Cancer):**
9002-86-2 polyvinyl chloride: 3

· **Endocrine Disrupting Properties:**
None of the ingredients is listed.

12 Ecological Information

· **Aquatic Toxicity:** No data available.

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

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

· **Endocrine Disrupting Properties:**
The product does not contain substances with endocrine disrupting properties.

13 Disposal Considerations

· **Disposal Instructions:**
Dispose of waste in accordance with applicable laws and regulations.
Maximize product recovery for reuse or recycling.

14 Transport Information

· **UN Number:**

· **DOT, ADR, ADN, IMDG, IATA** Not applicable.

· **UN Proper Shipping Name:**

· **DOT:** Not applicable.

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

· **Transport Hazard Class(es):**

· **DOT, ADR, ADN, IMDG, IATA**

· **Class:** Not applicable.

· **Packing Group:**

· **DOT, ADR, IMDG, IATA** Not applicable.

· **Environmental Hazards:** Not applicable.

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

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· **Additional Information:**

· **DOT:**

· **Remarks:** This product is not regulated as a hazardous material/dangerous good for transportation.

* 15 Regulatory Information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **U.S. Superfund Amendments & Reauthorization Act (SARA) 355 (Extremely Hazardous Substances):**
None of the ingredients is listed.

· **U.S. Superfund Amendments & Reauthorization Act (SARA) 313 (Specific Toxic Chemical Listings):**
None of the ingredients is listed.

· **U.S. Toxic Substances Control Act (TSCA):**
All components have the value ACTIVE.

· **Hazardous Air Pollutants**
None of the ingredients is listed.

· **California Proposition 65 Carcinogens:**
PVC resin contains minor amounts (< 1 ppm on average; 0.0001%) of residual vinyl chloride monomer. Vinyl chloride is listed as a carcinogen under Proposition 65.
None of the ingredients is listed.

· **New Jersey Right-to-Know List:**
9002-86-2 polyvinyl chloride

· **New Jersey Special Hazardous Substance List:**
None of the ingredients is listed.

· **Pennsylvania Right-to-Know List:**
None of the ingredients is listed.

· **Pennsylvania Special Hazardous Substance List:**
None of the ingredients is listed.

· **Carcinogen Categories:**

· **ACGIH (American Conference of Governmental Industrial Hygienists) Carcinogens:**
9002-86-2 polyvinyl chloride: A4

· **Canadian Substance Listings:**

· **Canadian Domestic Substances List (DSL):**
All ingredients are listed.

· **Canadian Non-Domestic Substances List (NDSL)**
None of the ingredients is listed.

· **Canadian Ingredient Disclosure List (limit 0.1%)**
None of the ingredients is listed.

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· **Canadian Ingredient Disclosure List (limit 1%):**
151-21-3 sodium lauryl sulfate

· **GHS Label Elements:**
The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard Pictograms:** Not applicable.

· **Signal Word:** WARNING

· **Hazard Statements:**
Combustible dust. May form combustible dust concentrations in air.
H320 Causes eye irritation.

· **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 attention.

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

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 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.

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

· **Abbreviations & 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
DOT: US Department of Transportation
IATA: International Air Transport Association
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)
NFPA: National Fire Protection Association (USA)
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Acute Toxicity - Oral 4: Acute toxicity – Category 4
Skin Irritation 2: Skin corrosion/irritation – Category 2
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Eye Irritation 2B: Serious eye damage/eye irritation – Category 2B

· **Sources & References:** * - Indicates that data has been updated from the previous version.