

## Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31

Date Printed 09.01.2025

Version 10 (Replaces Version 9)

Revision Date 09.01.2025

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

- **Product Identifier:** Formolon® PVC Compound
  - **Article Number:** All grades.
  - **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:** Vinyl/Suspension 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**  
Combustible dust. May form combustible dust concentrations in air.  
Skin Irrit. 2            H315 Causes skin irritation.  
Eye Dam. 1            H318 Causes serious eye damage.  
Skin Sens. 1           H317 May cause an allergic skin reaction.  
Muta. 2                H341 Suspected of causing genetic defects.  
Carc. 1A               H350 May cause cancer. Route of exposure: Inhalation.  
Repr. 2                H361 Suspected of damaging fertility or the unborn child.  
STOT RE 2            H373 May cause damage to organs through prolonged or repeated exposure.  
Aquatic Chronic 2    H411 Toxic to aquatic life with long lasting effects.
- **Hazard Pictograms:**



GHS05



GHS07



GHS08



GHS09

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### Product Identifier: Formolon® PVC Compound

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· **Signal Word:** DANGER

· **Hazard Statements:**

Combustible dust. May form combustible dust concentrations in air.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H317 May cause an allergic skin reaction.  
 H341 Suspected of causing genetic defects.  
 H350 May cause cancer. Route of exposure: Inhalation.  
 H361 Suspected of damaging fertility or the unborn child.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H411 Toxic to aquatic life with long lasting effects.

· **Precautionary Statements:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P240 Ground and bond container and receiving equipment.  
 P261 Avoid breathing dust.  
 P264 Wash thoroughly after handling.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P363 Wash contaminated clothing before reuse.  
 P405 Store locked up.

· **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: 9002-86-2	polyvinyl chloride		55-95%
CAS: 471-34-1 EINECS: 207-439-9	calcium carbonate		<20%
	PVC compound impact modifier		<10%
	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335		
CAS: 13463-67-7 EINECS: 236-675-5 Index number: 022-006-00-2	titanium dioxide		<12%
	⚠ Carc. 2, H351		
	PVC compound processing aid		
	tin heat stabilizer		<5%
	⚠ Muta. 2, H341; Repr. 2, H361; STOT RE 1, H372; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Skin Sens. 1A, H317		

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CAS: 14808-60-7  
EINECS: 238-878-4

Crystalline silica (quartz)  
☠ Carc. 1A, H350

≥0.1%

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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 immediate medical advice/attention.
- **After Skin Contact:**  
Wash affected area with soap and water.  
Get immediate medical advice/attention.
- **After Eye Contact:**  
In case of accidental contact, immediately flush eyes with water.  
Hold eyelids open to ensure adequate flushing.  
Get immediate 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 immediate 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:**  
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.

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- **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.

- **Protection Against Fires and Explosions:**

Take precautions against static discharge.

To determine required precautions, consult applicable standards such as NFPA 654, Standard for the 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.

Transfer and store in properly bonded and grounded containers.

- **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.

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

- **Control Parameters:**

- **Occupational Exposure Limits:**

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

**14808-60-7 Crystalline silica (quartz)**

BOELV Long-term value: 0.1\* mg/m<sup>3</sup>

\*respirable fraction

- **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 industrial hygiene risk assessment is required to determine appropriate respiratory protection.

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- **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:**

- |  |   |
|--|---|
| · <b>Colour:</b>   | White   |
| · <b>Odour:</b>  | Odourless                                     |
| · <b>Odour Threshold:</b>  | Not determined.                               |
| · <b>Melting Point/Freezing Point:</b>                             | Not determined.                               |
| · <b>Boiling Point or Initial Boiling Point and Boiling Range:</b> | Not determined.                               |
| · <b>Flammability:</b>   | Not determined.                               |
| · <b>Lower and Upper Explosion Limit:</b>                          |   |
| · <b>Lower:</b>  | Not determined.                               |
| · <b>Upper:</b>  | Not determined.                               |
| · <b>Flash Point:</b>  | Not applicable.                               |
| · <b>Ignition Temperature:</b>                                     | Not determined.                               |
| · <b>Decomposition Temperature:</b>                                | Not determined.                               |
| · <b>pH:</b>   | Not applicable.                               |
| · <b>Viscosity:</b>  | Not determined.                               |
| · <b>Solubility:</b>   |   |
| · <b>Water:</b>  | Insoluble.                                    |
| · <b>Partition Coefficient n-octanol/water (log value):</b>        | Not determined.                               |
| · <b>Vapour Pressure:</b>  | Not determined.                               |
| · <b>Density and/or relative density</b>                           |   |
| · <b>Density:</b>  | Not determined.                               |
| · <b>Vapour Density:</b>   | Not determined.                               |
| · <b>Particle characteristics</b>                                  | See section 3.                                |
| · <b>Other Information:</b>  | No further relevant information available.    |
| · <b>Physical State:</b>   | Solid   |
| · <b>Auto-Ignition Temperature:</b>                                | Not determined.                               |
| · <b>Explosive Properties:</b>                                     | Product does not present an explosion hazard. |
| · <b>Solids content:</b>   | 19.0 %  |
| · <b>Evaporation Rate:</b>   | Not determined.                               |

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· <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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### \* Section 10: Stability and Reactivity

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- **Reactivity:** No further relevant information available.
- **Chemical Stability:** Stable if used and stored according to the specifications listed below.
- **Conditions to Avoid:**  
Combustible dust. May form combustible dust concentrations in air.  
Keep away from heat, sparks and open flames.  
Avoid formation of dust.
- **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

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- **Acute Toxicity:** Based on available data, the classification criteria are not met.
- **Skin Corrosion/Irritation:**  
Causes skin irritation.
- **Serious Eye Damage/Irritation:**  
Causes serious eye damage.
- **Respiratory Irritation:** May cause respiratory irritation.
- **Respiratory or Skin Sensitisation:** May cause an allergic skin reaction.
- **Subacute to Chronic Toxicity:**  
Suspected of causing cancer. Route of exposure: Inhalation.  
Suspected of causing genetic defects.  
Suspected of damaging fertility or the unborn child.

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Adverse liver effects.  
 Adverse kidney effects.  
 Adverse blood effects.  
 Adverse nervous system effects.  
 Harmful if swallowed.  
 Adverse cardiovascular effects.  
 Adverse urinary tract effects.

- **Additional toxicological information:**

May cause damage to organs through prolonged or repeated exposure.

- **Carcinogen Classification:**

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

9002-86-2 polyvinyl chloride: 3

13463-67-7 titanium dioxide: 2B

14808-60-7 Crystalline silica (quartz): 1

- **Endocrine Disrupting Properties:**

None of the ingredients is listed.

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### \* Section 12: Ecological Information

- **Aquatic Toxicity:** Harmful to aquatic life with long lasting effects.
  - **Persistence and Degradability:** No data available.
  - **Bioaccumulative Potential:** No data available.
  - **Endocrine Disrupting Properties:**  
The product does not contain substances with endocrine disrupting properties.
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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.
- **Environmental Hazards:** Not applicable.
- **Maritime Transport in Bulk According to IMO Instruments:** Not applicable.
- **Transport/Additional information:** This product is not regulated as a hazardous material/dangerous good for transportation.

### \* Section 15: Regulatory Information

- **Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:**

- **Hazard Pictograms:**



GHS05 GHS07 GHS08 GHS09

- **Signal Word:** DANGER

- **Hazard-Determining Components of Labelling:**

tin heat stabilizer  
titanium dioxide  
Crystalline silica (quartz)

- **Hazard Statements:**

Combustible dust. May form combustible dust concentrations in air.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H317 May cause an allergic skin reaction.  
H341 Suspected of causing genetic defects.  
H350 May cause cancer. Route of exposure: Inhalation.  
H361 Suspected of damaging fertility or the unborn child.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.

- **Precautionary Statements:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P240 Ground and bond container and receiving equipment.  
P261 Avoid breathing dust.  
P264 Wash thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.  
P405 Store locked up.

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- **Directive 2004/42/EC**

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

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

- **Seveso Category:** E2 Hazardous to the Aquatic Environment

- **Qualifying Quantity (tonnes) for the Application of Lower-Tier Requirements:** 200 t

- **Qualifying Quantity (tonnes) for the Application of Upper-Tier Requirements:** 500 t

- **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 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.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H341 Suspected of causing genetic defects.

H350 May cause cancer.

H351 Suspected of causing cancer.

H361 Suspected of damaging fertility or the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

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

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**· Version number of previous version: 9****· 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 Dam. 1: Serious eye damage/eye irritation – Category 1

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

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Muta. 2: Germ cell mutagenicity – Category 2

Carc. 1A: Carcinogenicity – Category 1A

Carc. 2: Carcinogenicity – Category 2

Repr. 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – 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.