

# Materials Safety Data Sheet

## PVC resin

**Product Name: Polyvinyl Chloride RESIN**

**Synonyms: PVC RESIN, PVC**

### 2.) INFORMATION ON INGREDIENTS *EINECS PERCENT*

**CAS NO:**

<b>Polyvinyl Chloride</b>	<b>208-750-2</b>	<b>99-100%</b>
	<b>9002-86-2</b>	

### 3.) HAZARDS IDENTIFICATION

**Emergency** Follow safe industrial hygiene practices and always wear

**Overview:** protective equipment when handling this compound.

**Potential Health** Irritating to the skin and eyes on contact. Inhalation will

**Effects:** cause irritation to the lungs and mucous membrane. Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation.

### 4.) FIRST AID MEASURES

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**Skin Contact:** Flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**Ingestion** If swallowed, call a physician immediately.

**Contact:**

### 5.) FIRE FIGHTING MEASURES

**Extinguishing Media:** Water spray.

**Special Fire Fighting** Do not direct a solid stream of water or foam into burning molten material;

**Procedures:** this may cause spattering and spread the fire.

**Fire and Explosion Hazards:** No information found.

**Hazardous Combustion Products:** Emits toxic fumes under fire conditions

**Protective Measure in Fire:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### 6.) ACCIDENTAL RELEASE MEASURES

**Personal Precaution in** Utilize recommended protective clothing and equipment

**Spill:**

**Environment:** Collect wash water for approved disposal. Keep from entering water or ground water.

**Spill Clean Up:** Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water.

### 7.) HANDLING/STORAGE

**Usage Precautions:**

**Usage Descriptions:**

**Storage Precautions:** Handling Precautions: Store at ambient temperature. Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials. Reseal containers immediately after use. Store away from food and beverages.

**8.) EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Protective Equipment:** Use local ventilation if dusting is a problem, to maintain air levels below

the recommended exposure limit.

**Process Conditions:** OSHA PEL: 0.5 ppm. ACGIH TLV: 10mg/m<sup>3</sup>

**Respirators:** Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.

**Protective Gloves:** Wear PVC gloves.

**Eye Protection:** Wear safety glasses or goggles. Emergency showers and eye wash stations should be available.

**Other Protection:** Wear impervious boots and apron or coveralls.

**Hygienic Work Practices:** Educate and train employees in the safe use and handling of hazardous

Chemicals. Employees should wash their hands and face before eating, drinking or using tobacco products.

**9.) PHYSICAL / CHEMICAL PROPERTIES**

**Appearance:** free-flowing powder **Color:** white

**Odor/Taste:** odorless **Specific Gravity:** 1.4± 0.02

**Solubility:** Insoluble **Solubility Value:** Not applicable.

**Melting Point:** Decomposes above 250C **Boiling Point:** Decomposes above 250C

**Decomp Temp:** **Flash Point:**

**pH**

**10.) STABILITY / REACTIVITY**

**Stability:** Stable

**Hazardous Decomp** Hydrogen Chloride, carbon monoxide, carbon dioxide and small amounts

**Products:** of benzene and aromatic and aliphatic hydrocarbons.

**Conditions to Avoid:** Excessive temperatures, contact with strong oxidizers, contact with acetal

or acetal copolymers, and contact with amine containing materials during processing (at processing conditions, these materials are mutually destructive and involve rapid degradation).

**11.) TOXICOLOGICAL INFORMATION**

**Toxic Dose LD 50:** No information found.

**Toxicological Info:** Routes of entry: skin contact, inhalation, eye contact, and ingestion.

**Inhalation:** Vinyl resin has little effect on the lungs and is not known to cause any

disease when dust exposure is minimized. Routine inhalation of dust of any kind should be avoided.

**Skin:** No information found.

**Eyes:** No information found.

**Medical Symptoms:** No adverse health effects are anticipated from this product at ambient

temperature other than items stated in Section 3.

## 12.) ECOLOGICAL INFORMATION

**Toxicity:** No information found.

**Distribution:** No information found.

**Chemical Fate:** No information found.

## 13.) DISPOSAL CONSIDERATIONS

**Disposal Methods:** Waste disposal should be in accordance with existing federal, state and

local environmental regulations.

**General Cleaning:**

## 14.) TRANSPORTATION INFORMATION

**DOT - GROUND TRANSPORTATION: IATA/IMDG REGULATIONS:**

**Proper Shipping Name:** Polyvinyl Chloride

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**Hazard Class:** Not regulated.

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**UN. NO#:** Not regulated.

**UN. NO#:** Not regulated.

**Packing Group #:** Not regulated.// Not regulated.

**Packing Group #:** Not regulated.// Not regulated.

**IMDG EMS:** Not regulated.

**Shipping Options for this product include:**

**Transportation Notes:** No

## 15.) REGULATORY INFORMATION

Chemical Inventory Status Part 1

<b>Ingredient:</b>	<b>CASNO:</b>	<b>TSCA:</b>	<b>EINEC:</b>	<b>China:</b>	<b>Japan</b>
Polyvinyl Chloride	9002-86-2	Yes	No	No	No

Chemical Inventory Status Part 2

<b>Ingredient:</b>	<b>CASNO:</b>	<b>Korea:</b>	<b>DSL:</b>	<b>NDSL:</b>	<b>Phil.:</b>
Polyvinyl Chloride	9002-86-2	No	No	No	No

## 16.) INFORMATION SOURCES

**Revision Comments:**

**Other Information:**