

80210

# Material Safety Data Sheet

## 802 Series PVC Compound

80210

Lab

### 1. Chemical Product and Company Identification:

Product Name.....: **Polyvinyl Chloride (PVC) Compound Pellets**  
Chemical Family.....: Plastics  
Chemical Name.....: Polyvinyl Chloride Compound (PVC)  
Formula.....: [CH-CH Cl] with additives

Sylvin Technologies, Inc.

Denver Road

Denver, PA 17517

(717)336-2823

(8:00 a.m. - 4:00 p.m. EST for questions)

Product Use: Various Applications

HMIS: Health = 1

Fire = 1

React. = 0

### 2. Composition/Information on Ingredients:

Polyvinyl Chloride Compound Pellets

100%

#### Hazardous Ingredients:

Is not considered hazardous under normal conditions. However, the product may release hazardous byproducts in thermal processing for long periods or fire.

| Material                         | CAS #     | %   | ACGIH - TLV         |
|----------------------------------|-----------|-----|---------------------|
| PVC Resin                        | 9002-86-2 | <70 | 5 mg/m <sup>3</sup> |
| Di(2-Ethylhexyl) Phthalate (DOP) | 117-81-7  | <50 | 5 mg/m <sup>3</sup> |

### 3. Hazards Identification:

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#### Emergency Overview

Very low hazard.

During thermal processing or fire, irritating gases and fumes may be generated.

Use with adequate ventilation.

Keep out of waterways.

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#### Potential Health Effects:

Primary Route(s) of Entry: None in pellet form.

Human Effects and Symptoms of Overexposure:

Acute Inhalation and Eyes:

Processing at high temperatures for long periods or fire may cause respiratory and eye irritation.

Acute Skin Contact:

Processing at high temperatures for long periods or fire may cause skin irritation. Hot processing operations may cause burns.

Chronic Inhalation:

Heavy exposure to fumes from thermally decomposed plastics may cause an asthma-like syndrome due to hydrogen chloride.

Medical Conditions Aggravated by Exposure:

Individuals with respiratory diseases exposed too long to thermal process emissions.

4. **First Aid:**
  - Eyes:** Flush eyes with plenty of water for 15 minutes if eye irritation occurs. Get medical attention.
  - Inhalation:** Remove to fresh air. Give artificial respiration if not breathing. Oxygen may be given by qualified personnel if breathing is difficult. Get medical attention.
  - Ingestion:** Not an anticipated hazard.
  - Skin:** Gently wash area with water for 15 minutes. Do not apply ointments to burn area(s). Get medical attention.
  
5. **Fire Fighting Measures:**
  - Flash point: N/A LFL: N/A UFL: N/A
  - Extinguishing Media: Dry Chemical, Carbon Dioxide, Foam, or Water
  - Special Fire Fighting Procedures:
    - Full emergency equipment with self contained breathing apparatus and full protective clothing should be worn by fire fighters. During a fire, irritating fumes may be generated.
  
6. **Accidental Release Measures:**
  - Spill Procedures: Sweep up and put in a proper disposal container. Keep out of waterways.

This product or others of similar composition, as-shipped, have been tested and found to be non-hazardous using EPA's Toxicity Characteristic Leaching Procedure (TCLP). Any physical or chemical modification of this product may change the TCLP test results.
  
7. **Handling and Storage:**
  - The materials should be stored in sprinklered warehouse.
  
8. **Exposure Controls/Personal Protection:**
  - Eye Protection: Safety glasses with side shields
  - Respiratory Protection: None required under normal operating conditions. SCBA in case of fire.
  - Skin Protection: Thermal protective gloves for "hot" processing operations.
  - Ventilation: Use local exhaust ventilation.
  - Exposure Limits: Not Established
  
9. **Physical/Chemical Properties:**

|                             |                       |                      |           |
|-----------------------------|-----------------------|----------------------|-----------|
| Physical Form:              | Solid & small pellets | Solubility In Water: | Insoluble |
| Color:                      | Varies                | S.G.:                | 1.4±0.2   |
| Odor:                       | Slight                | % Volatile by Wt.:   | N/A       |
| Boiling Point:              | N/A                   | Vapor Pressure:      | N/A       |
| Melting Point/Freeze Point: | N/A                   | Vapor Density:       | N/A       |
| pH:                         | N/A                   |                      |           |
  
10. **Reactivity:**

|                           |                                    |                  |        |
|---------------------------|------------------------------------|------------------|--------|
| Hazardous Polymerization: | None                               | Stability:       | Stable |
| Decomposition Products:   | Hydrogen chloride, carbon monoxide | Incompatibility: | None   |
  
11. **Toxicological/Ecological Information:**
  - Carcinogenicity: Polyvinyl chloride is **not** listed as a carcinogen by International Agency for Research on Cancer (IARC), National Toxicology Program (NTP) or OSHA. This material may contain trace amounts of vinyl chloride, which is a cancer suspect agent by OSHA. It is a known human cancer-causing agent by NTP and IARC. OSHA (1/30/86) requires labeling that it may contain vinyl chloride monomer (29 CFR 1910.1017).
  - Di(2-ethylhexyl) Phthalate is a suspect cancer agent based on animal studies by NTP and IARC.
  
12. **Waste Disposal:**
  - Waste must be disposed of in accordance with federal, state, and local environmental control regulations
  - Empty containers are not a hazard.

Landfilling is permitted. Incineration is possible under controlled conditions due to formation of hydrogen chloride.

**13. Regulatory Information:**

EPA:

CWA: See stormwater regulations.

RCRA:

If discarded in its purchased form, this product would **not** be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

SARA Title III:

Section 302 Extremely Hazardous Substances.....None

Section 311/312 Hazard Categories.....Non-hazardous

Section 313 Toxic Chemicals: See Section 2

OSHA:

This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200. However, thermal processing for long periods and decomposition fumes from this product may be hazardous.

PVC may contain trace levels of Vinyl Chloride Monomer. If ventilation is inadequate, the workplace should be monitored, and if levels exceed the PEL, refer to 29 CFR 1910.1017. In addition, containers of PVC should be legibly labeled:

Polyvinyl chloride contains  
Vinyl chloride  
Vinyl chloride is a cancer suspect agent

DOT: N/A

State Regulatory Information.....:

See Section 2. For details on your regulatory requirements, you should contact the appropriate agency in your state.

| Component Name | CAS #   | %     | State Code |
|----------------|---------|-------|------------|
| Vinyl Chloride | 75-01-4 | Trace | CA         |

**14. Other Information:**

Prepared by.....:Carl Knoblock  
Title.....:Regulatory Affairs Manager  
Approval Date.....:February 1998  
Supersedes Date.....:September 1997

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