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# Sandell PVC Control Joint

## MATERIAL SAFETY DATA SHEET

### SECTION 1 MATERIAL IDENTIFICATION INFORMATION

**Chemical Name/Synonyms:** Polyvinyl Chloride, PVC, Vinyl Formula-PVC Resin (CH<sub>2</sub>CHCl) plus functional additives

**Chemical Family:** Vinyl Resin-Chloroethene Polymer

**CAS Registry Number:** Not applicable to compounds Transportation Emergency

**Note:** None of the information listed on this MSDS should apply to application or use in the finished state. Only under the adverse condition during the manufacturing state is this data applicable.

### SECTION 2 HAZARDOUS INGREDIENTS

Flexible vinyl pellet compounds are mixtures of PVC resins with various functional additives. Additives are bound up in the manufacturing process and are not expected to create any hazard when handled or processed in accordance with good manufacturing and industrial hygiene practices.

Trace amounts of hydrogen chloride may be generated from the PVC component if overheated. Volatiles from stabilizers, plasticizers, lubricants, etc., which may be generated in trace amounts, may prove sensitive to some individuals.

### SECTION 3 PHYSICAL DATA

**Solubility in Water:** Very slight

**Specific Gravity:** 1.15 to 1.7 depending on formulation

**Appearance and Odor:** Pigmented or unpigmented granules, odorless or with a bland color.

**Other:** Characteristics such as vapor pressure, vapor density, boiling point and evaporation rate are not applicable.

### SECTION 4 FIRE AND EXPLOSION HAZARD DATA

Flash-ignition and self-ignition temperatures vary somewhat with the composition but should not be lower than the following:

**Flash-Ignition Temp:** 576°F (300°C)

**Self-Ignition Temp:** 770°F (410°C)

Belden vinyl compounds will not support combustion but can be forced to burn by continued application of intense heat.

**Extinguishing Media:** Water is most effective. ABC dry chemical, AFFF and protein type air foams are also effective. Belden vinyl compounds are "Ordinary Combustibles" (NFPS Class A).

**Special Fire Fighting Procedures:** Positive pressure self-contained breathing apparatus (SCBA) is suggested during and immediately after a fire.

**Combustion Products:** When forced to burn, primary combustion gases will be hydrogen chloride, carbon monoxide, carbon dioxide and allphatic olefins. Trace amounts of benzene and allphatic and aromatic hydrocarbons may be present.

Hydrogen chloride has a corrosive effect on many metals and appropriate measure should be taken where exposure occurs.

### SECTION 5 HEALTH HAZARD DATA

**Threshold Limit Value:** None established

**Effects of Over Exposure:** None at room temperatures. At processing temperature vinyl compounds may emit vapors that are irritating to the respiratory tract, eyes or skin of some sensitive individuals.

**Emergency and First Aid Procedures:** If irritation from exposure to processing fumes persists, remove affected individual, call a physician and provide suitable protection before re-entry.

### SECTION 6 REACTIVITY

**Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition Products:** Hydrogen chloride, carbon monoxide, carbon dioxide, allphatic olefins. Trace amounts of benzene and aromatic and allphatic hydrocarbons.

**Incompatibility:** Avoid contact with acetal copolymers and amines during processing.

### SECTION 7 SPILL OR LEAK

Vacuum or sweep into a closed container for reuse or disposal. Dispose of in a licensed landfill or by incineration. If incinerated be aware that hydrogen chloride is generated.

### SECTION 8 SPECIAL PROTECTION INFORMATION

**Ventilation:** Provide effective ventilation to draw fumes away from workers to prevent routine inhalation.

**Respiratory Protection:** Not normally required

**Protective Equipment:** Gloves for handling hot materials and safety glasses are recommended for all industrial work places.

### SECTION 9 SPECIAL PRECAUTIONS

**Normal Melt Processing:** Provide adequate ventilation to avoid build-up of fumes.

**Clean Up:** Avoid conditions that will result in significant decomposition caused by excessive heat history. Compound at or above normal processing temperatures should not be allowed to accumulate in thick masses, or it will begin to thermally decompose and to swell to internal gassing. Molten waste should be collected as strands or flattened and quenched in cold water. Decomposing material should be removed to a well-ventilated area, preferably outdoors.

### SECTION 10 TRANSPORTATION

Vinyl compounds are not classified as hazardous by the U.S. Dept. of Transportation under Title 49 of the code of the federal regulations, 1983 edition.

### SECTION 11 HAZARD CODES

	NFPA 704	HMIS
<b>Health:</b>	Moderate	Insignificant
<b>Flammability:</b>	Slight	Slight
<b>Reactivity:</b>	Insignificant	Insignificant