

Date last revised 02/18/2009 By M. Lykins

MSDS-25

### I. General Information

<b>Chemical Name &amp; Synonyms</b> Chlorinated Poly Vinyl Chloride	<b>Trade Name &amp; Synonyms</b> Corzan Gray CPVC, Corzan G2 PVC-C (CPVC)
<b>Chemical Family</b> Vinyl Resin-Chlorothene Polymer	<b>Formula</b> (Ch <sub>3</sub> Cl) n
<b>Proper DOT Shipping Name:</b> N/A	<b>DOT Hazard Classification:</b> N/A
<b>Manufacturer:</b> Quadrant EPP USA, Inc. 2120 Fairmont Avenue. Reading, PA 19605 (610) 320-6600	<b>Chemtrec Phone Number</b>  1-800-424-9300

### II. Ingredients

Principal Components	Percent	Threshold Limit Value (Units)
CPVC (CAS 686-48-828)	>56%	10 mg/m <sup>3</sup> (total dust)
Organotin Compound (SN)(CAS 744-03-15)	<3%	0.1 mg/ m <sup>3</sup> (PEL, TLV) <sup>0.2</sup> mg/ m <sup>3</sup> (STEL)
Non-hazardous Ingredients	Proprietary	5 mg/ m <sup>3</sup> (PEL) 10 mg/ m <sup>3</sup> (TLV)(total dust)
Note: Amounts listed are typical and do not represent a specification		

### III. Physical Data

<b>Boiling Point (Deg. F.)</b> N/A	<b>Specific Gravity (H<sub>2</sub>O=1)</b> 1.4+-0.02
<b>Vapor Pressure (mm Hg)</b> N/A	<b>Percent Volatile By Volume (%)</b> N.E.
<b>Vapor Density (Air=1)</b> N/A	<b>Evaporation Rate (Air =1)</b> N/A
<b>Solubility in Water</b> N.E.	<b>pH</b> N/A
<b>Appearance &amp; Odor</b> Odorless white or gray solid.	

### IV. Hazard Identification/Fire & Explosion Hazard Data

<b>Flash Point (Test Method) Auto Ignition Temperature</b>	480 deg C (ASTM-D-1929) Not Determined	
<b>Flammable Limits</b>	<b>LEL</b>	<b>UEL</b>
N/A	N/A	N/A
<b>Extinguishing Media</b> Water, AFFF Protein, Dry Chemical		
<b>Special Fire Fighting Procedures</b> NFPA Class A fire. CO <sub>2</sub> not recommended. Wear positive pressure, self-contained breathing apparatus.		
<b>Unusual Fire &amp; Explosion Hazards:</b> Product may burn if an ignition source is present. Irritating, or, toxic substances will be emitted upon burning, combustion, or decomposition. Protect product from flames of any kind; maintain proper clearance when using heat devices, etc. Hydrogen chloride, a combustion product of chlorinated hydrocarbons, has a corrosive effect on many metals. Affected surfaces should be washed with a detergent-based water solution		

## V. Health Hazard Data

**Physical health Hazards:**

**Dust may form explosive mixtures with air. Avoid dust formation and control ignition sources. CPVC dust particles suspended in air are combustible and may be explosive. Keep away from heat, sparks, flame, and other ignition sources. Prevent dust accumulations and dust clouds. Employ grounding, venting, and explosive relief provisions in accordance with accepted engineering practices and NFPA provisions in any process capable of generating dust and/or static electricity. Explosion hazards apply only to dusts, not granular forms of this product. See also Special Precautions section below.**

**Carcinogen - NTP Program**

NO

**Carcinogen - IARC Program**

NO

**Symptoms of exposure to decomposition or combustion**

Irritation of the eyes and respiratory tract. Nausea, headache, dizziness, vomiting, dry throat, abdominal pain

**Medical Conditions Aggravated By Exposure**

None known, however, seek medical attention if constant irritation occurs. If thermal decomposition occurs, upper respiratory, eye, nose, throat and abdominal irritation may result.

**Primary Route(s) of Entry**

Inhalation of particulates during melt processing or thermal decomposition.

**Emergency First Aid. Inhalation, remove to fresh air.**

**Molten material. If molten material comes in contact with the skin, cool under running water. Do not attempt to remove the molten material from the skin. Get medical attention.**

## VI. Reactivity Data

STABILITY  Unstable

Stable

**INCOMPATIBILITY**

Hazardous  May Occur

Polymerization  Will Not Occur

Conditions To Avoid

None Known

Materials To Avoid

Acetyl and amine-containing materials.

**Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, hydrogen chloride, hydrocarbons, organotin compounds.**

## VII. Environmental Protection Procedures

**Spill Response**

Sweep up for Disposal or reuse.

**Waste Disposal Method**

Dispose of in accordance with Federal, State and Local regulations. Not hazardous using TCLP-40 CFR 261 App. II

## VIII. Special Protection Information

**Eye Protection**

Glasses with side shields.

**Skin Protection**

Use insulated gloves when handling molten material.

**Respiratory Protection (Specific Type) - NIOSH approved chemical respirator recommended. If material is being, heated, wear an organic respirator.**

**Ventilation Recommended - Local ventilation in dusty conditions or if thermal decomposition occurs.**

**Other Protection**

Gloves and protective garments when handling molten material.

**Handling: The handling of powder in both loading and unloading operations, as well as fabrication, may cause dust to be formed, and necessary precautions for personal protection (See Section VIII) should be used. As with all finely divided materials, precautions should be taken to avoid inhalation and eye contact.**

## IX. Special Precautions

**Hygienic Practices In Handling & Storage: Wash with soap and water.**

**Precautions For Repair & Maintenance Of Contaminated Equipment: Eliminate ignition sources.**

**Transfer from storage with a minimum amount of dusting. Ground all transfer, blending, and dust collecting equipment to prevent static sparks in accordance with NFPA 70 "national Electric Code". Review and comply with all relevant NFPA provisions, including but not limited to NFPA 484 and NFPA 654 related to combustible dust hazards. Remove all ignition sources from material handling, transfer, and processing areas where dust may be present. Local exhaust ventilation should be provided in work area.**

**Other Precautions Store in a sprinkler protected warehouse. In case of dusting, sources of ignition, such as static discharge, should be addressed. Dust on floors and walkways can be a slipping hazard.**

**NFPA Code: Fire 1, Health 2, Reactivity 0**

**HMIS Code: Fire 1, Health 0, Reactivity 0**

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## **X. Regulatory Information**

**OSHA Status: CPVC is not considered hazardous under OHSA.**

**TSCA Inventory Status: All ingredients are listed.**

**CERCLA Reportable Quantity (RQ): None**

**SARA Title III:**

**Section 302/304.No extremely hazardous substances**

**Section 311/312.No reporting requirements although it is suggested that storage of >10,000 lbs of CPVC in one facility should be listed on a Tier II report.**

**Section 313: No reporting requirements.**

## **XI. Warning Labels**

**CAUTION: Please consult the product MSDS sheet for important information.**

**NFPA Code: Fire 1, Health 1, Reactivity 0**

**HMIS Code: Fire 1, Health 0, Reactivity 0**

Hazard data contained herein was obtained from raw material suppliers. The information presented is believed to be factual, as it was derived from the works and opinions of persons believed to be qualified. However, no facts contained in the information are to be taken as a warranty, or representation, for which Quadrant EPP USA Inc. bears legal responsibility. The user should review any recommendation in the specific context of the intended use to determine if they are appropriate.

N.A.= Not Applicable N.E.= Not Established

Material Safety Data Sheet is based on information supplied by the resin supplier.