

Date last revised 9/01/2010 By M. Lykins

MSDS-22

I. Chemical Product and Company Identification

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|--|---|
| Chemical Name & Synonyms Poly Vinyl Chloride | Trade Name & Synonyms PVC |
| Chemical Family Vinyl Resin-Chlorothene Polymer | Formula (ch3Cl) _n |
| Proper DOT Shipping Name: N/A | DOT Hazard Classification: N/A |
| Manufacturer: Quadrant EPP USA, Inc. 2120 Fairmont Avenue. Reading, PA 19605 (610) 320-6600 | Chemtrec Phone Number 1-800-424-9300 |

II. Ingredients

| Principal Components | Percent | Threshold Limit Value |
|---|----------|---------------------------------------|
| Polyvinyl Chloride (9002-86-2) | >99% | |
| Residual Vinyl Chloride Monomer 75-01-4 | <8.5 ppm | 5 ppm |
| Organotin Compounds 2,4,5,6 | <5.0% | 0.1 (mg/m ³) (skin as Sn) |
| Calcium Carbonate 1317-65-3 | <5.0% | 10 (mg/m ³) |
| Calcium Stearate 1592-23-0 | <5.0% | 10 (mg/m ³) |

III. Physical Data

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

IV. Fire & Explosion Hazard Data

| | |
|---|---|
| Flash Point (Test Method) 391 deg C ASTM-D-1929 | Auto Ignition Temperature 454 deg. C ASTM D-1929 |
| Flammable Limits N/A | LEL N/A |
| | UEL N/A |
| Extinguishing Media Water, AFFF Protein, Dry Chemical | |
| Special Fire Fighting Procedures NFPA Class A fire. CO ₂ not recommended. Wear positive pressure, self-contained breathing apparatus. | |
| Unusual Fire & Explosion Hazards PVC is difficult to ignite. It will self-extinguish in the absence of substantial heat and flame. PVC decomposes during combustion and generates Hydrogen Chloride which acts as a flame quencher in the vapor phase. Hydrogen Chloride can combine with water to form Hydrochloric Acid, a corrosive compound. | |

V. Health Hazard Data

OSHA Permissible Exposure Limit
Not Established

ACGIH Threshold Limit Value
Not Established

Carcinogen - NTP Program
NO

Carcinogen - IARC Program
NO

Symptoms of Exposure

Irritation of the eyes and respiratory tract

Medical Conditions Aggravated By Exposure

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

Primary Route(s) of Entry

Inhalation of particulates.

Emergency First Aid

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

Strong oxidizing agents.

Conditions To Avoid

None Known

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, hydrogen chloride, benzene, aromatic and aliphatic hydrocarbons.

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.

IX. Special Precautions

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

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

Other Precautions: Dust on floors and walkways can be a slipping hazard.

X. Regulatory Information**OSHA Status: PVC 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 PVC in one facility should be listed on a Tier II report.****Section 313: No reporting requirements.**

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