



Westlake Vinyls Company, L.P
(Geismar)

MATERIAL SAFETY DATA SHEET

Manufacture's Name: Westlake Vinyls Company LP
Address: PO Box 228
4338 Hwy 73
Geismar, LA 70734
Telephone Number: (225) 673-0651
24 hour Number

Product Name: **PVC 300 OG WASH RESIN** **CHEMTREC**
Date of Issue: October 17, 2004 **1-800-424-9300**
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SECTION I. PRODUCT IDENTIFICATION

Product Name: PVC 300 OG WASH RESIN
Common Names/Synonyms: PVC

CAS Number: 9002-86-2
Chemical Formula: C₂H₃CL

SECTION II. HAZARDOUS INGREDIENTS AND EXPOSURE LIMITS

Component	CAS No.	Percent	Exposure Limits
	9002-86-2	100	

Exposure Limits

The ingredients listed below have been associated with one or more immediate and/or delayed(*) health hazards. Risk of damage and effects depends upon duration and level of exposure. BEFORE USING, HANDLING, OR EXPOSURE TO THESE INGREDIENTS, READ AND UNDERSTAND THE MSDS.

75-01-4 *Vinyl Chloride % by weight
< 0.001

ACGIH TLV: 1ppm (2.6 mg/m³) TWA , A1 See Appendix A

OSHA PEL: 1 ppm TWA, 5 ppm 15 – minute STEL

Other: OSHA PE:: CANCER – SUSPECT AGENT , 29CFR1910.1017

SECTION III. CHEMICAL AND PHYSICAL PROPERTIES

Boiling Point: Not Applicable (N/A)

Melting Point: Not Applicable (N/A)

Evaporation Rate:	Not Applicable (N/A)
Vapor Density (Air = 1) :	Not Applicable (N/A)
Molecular Weight:	62.4987
Solubility in Water	Not soluble
Appearance:	White powder
Vapor Pressure:	0
Specific Gravity (25/25°C):	1.40
% Volatiles By Weight:	0
pH:	Not Applicable (N/A)
Odor:	Bland

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point: Not Applicable

Self Ignition Temperature: Not Applicable

Flammable Limits In Air: Not Applicable

National Fire Protection Association Hazard Identification Code (NFPA 704)

Health: 1 Flammability: 1 Reactivity: 0

Fire Extinguishing Media:

Special Fire Fighting Procedures

Will burn. Special firefighting response requires an air supplied respirator such as a self-contained air breathing apparatus SCBA. In case of fire, use water spray, dry chemical, foam or CO₂. Use water to keep fire-exposed containers cool.

Unusual Fire Or Explosion Hazards: PVC 300 OG WASH RESINS are self-extinguishing plastic materials. They will burn in the presence of other materials which support combustion and will generate hydrogen chloride, benzene, water, carbon monoxide, carbon dioxide, and smoke.

SECTION V. HEALTH HAZARDS

Primary Routes of Entry: Inhalation (Airborne Particulate)

Acute Health Effects: Respiration Irritation

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Eyes: May cause irritation on prolonged or repeated contact.

Skin: May cause irritation on prolonged or repeated contact.

Inhalation: Not expected to be harmful under normal conditions of use. However, if allowed to become airborne, may cause irritation of nose, throat, lungs.

Ingestion: No hazards known to Geismar Vinyls Company LP.

Chronic Health

Medical Conditions Aggravated By Exposure:

Carcinogenicity Status: Delayed Hazards Vinyl Chloride 75-01-4

CANCER HAZARD. Can cause cancer. Vinyl chloride has been identified as an OSHA cancer-suspect agent (29 CFR 1910.1017), an ACGIH confirmed human carcinogen, and an NTP and IARC human carcinogen.

SECTION VI. FIRST AID PROCEDURES

Inhalation: Remove to fresh air.

Eyes: Immediately flush eyes with plenty of water. Call a physician if irritation persists

Skin: May cause irritation on prolonged or repeated contact.

Ingestion: If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

SECTION VII. PERSONAL PROTECTION

When air contaminants can exceed acceptable criteria, use NIOSH/ MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air in accordance with OSHA Laws and regulations or other applicable standards or guidelines, including ANSI standards regarding respiratory protection.

Respiratory Protection: If 1.0 PPM VCM level is exceeded, respiratory protection would be available to all personnel in the area in accordance with the cited OSHA regulation. It has been the experience of most fabricators of PVC resins that exposure to working personnel does not exceed the action level (0.5 PPM) stated in the regulation when normal ventilation procedures are followed. Use a dust mask when dusting conditions prevail.

Skin Avoid prolonged or repeated contact with skin and clothing.

Eyes: Avoid prolonged or repeated contact with eyes.

Ventilation Exposure Controls : If airborne contaminants are generated when the materials is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria. (VCM PEL of 1PPM)

Contaminated Equipment: Not Applicable (N/A)

SECTION VIII. REACTIVITY DATA

Stability Normally stable as defined in NFPA 704-12 (4-3.1).

Hazardous Thermal Decomposition Products Hydrogen Chloride (a gas) can be released at elevated temperatures (120 – 150* C)

Incompatible Materials: Stable

Incompatible Conditions: Avoid direct exposure to flame

Hazardous Polymerization: Will not occur.

SECTION IX. SPILL, LEAK AND DISPOSAL PROCEDURES

Spill and Leak: Sweep (scoop) up and remove to a chemical disposal area. Prevent entry into natural bodies of water. If material is released or spilled on concrete or hard surface, a slipping and falling hazard is created. Spilled resin should be swept into containers for disposal as solid waste.

SECTION X. ADDITIONAL PRECAUTIONS

Storage Keep container closed. Store in a cool, well ventilated area. Static charges can accumulate during shipping, unloading, pouring or conveying. Use proper grounding procedures. Keep away from heat, sparks and flame.

SECTION XI. TOXICOLOGICAL INFORMATION

See Section 3 Hazard Identification Information.

Vinyl Chloride 75-01-4

LC50: Not available

LD50: orl – rat =500 mg/kg (SAX)

SECTION XII. ECOLOGICAL INFORMATION

Ecotoxicity:

Acute and Long –term Toxicity to Fish, Plants, Birds and Animals:

There are no known cases of acute or chronic toxicity associated with PVC 300 OG WASH RESINS.

Environmental Fate:

Persistence and Degradation: PVC 300 OG WASH RESIN and its products are inert in landfill. Leaching of additives may occur under favorable conditions only.

Bioaccumulation/Bioconcentration: Solid PVC 300 OG WASH RESIN and its products are not known to bioaccumulate or bioconcentrate.

Soil Mobility: No data is available on soil mobility of PVC 300 OG WASH RESIN or its products, but it is expected to be highly immobile due to its solidity and inert chemical characteristics.

Physical/Chemical Properties: Hydrolytic and Photolytic Stability: PVC 300 OG WASH RESIN is not reactive with water or light under normal ambient conditions, although discoloration may occur with exposure to light unless stabilizers are used in manufacture.

SECTION XIII. DISPOSAL CONSIDERATIONS

Dispose of according to local, state/provincial, and federal requirements.

SECTION XIV. TRANSPORTATION DATA

Department of Transportation: U.S. Department of Transportation (DOT)

The data provided in this section is for information only and may not be specific to you package size. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

Non- Regulated.

Proper Shipping Name: PVC 300 OG WASH RESIN

SECTION XV. OTHER REGULATORY DATA

This Material is Regulated Under:

Occupational Safety and Health Administration (OSHA)

OSHA Harzard Communication Standard 29CFR1910.1200

This material presents possible health hazards as determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR part 1910.1200 “ Hazard Communication “ Standard.

Federal Resource Conservation and Recovery Act

EPA Hazardous Waste # Not Applicable (N/A)

Risk Management Plan: Not Applicable (N/A)

Superfund Amendments Reauthorization Act of 1986 (SARA): Not Applicable (N/A)

Section 311/312 SARA Title III –Delayed health hazard.

SARA Title III Section 313 and 40 CFR Part 372 This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the

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Superfund Amendments and Reauthorization Act of 1986, and Subpart C- Supplier Notification Requirement of 40 CFR Part 372.

None required per SARA TITLE III Section 313.

TSCA Section 8 (b) Inventory

All reportable chemical substances are listed on the TSCA Inventory. We rely on certifications of compliance from our suppliers for chemical substances not manufactured by GVC.

CANADIAN REGULATIONS

Workplace Hazardous Materials Information System (WHMIS)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR. Not a controlled product.

Canadian Environmental Protection Act (CEPA)

All reportable chemical substances are listed on the Domestic Substances List (DSL) or otherwise company with CEPA new substance notification requirements.

National Pollutant Release Inventory (NPRI)

This product contains the following chemical(s) subject to the reporting requirements of the Canadian Environmental Protection Act (CEPA) Subsection 16.(1), National Pollutant Release Inventory. None required.

STATE REGULATIONS

California Proposition 65

In accordance with Proposition 65, the following information is provided:

WARNING: Use of this product will expose you to the following chemical known to the State of California to cause cancer.

Vinyl Chloride

75-01-4

Massachusetts Right – to- Know Law (MGL chapter 111F, sec. 8)

This product contains or may release the following chemical (s) on the Massachusetts Right-to –Know List:

Vinyl Chloride

75-01-4 < 0.001%

New Jersey Worker & Community RTK Act (NJSA 34 : 5A –1 et seq.)

The listing of a chemical does not necessarily indicate it is hazardous.

Vinyl Chloride Homopolymer

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Pennsylvania Worker & Community RTK Act (Pa. Act 1984-1159)

The listing of a chemical does not necessarily indicate it is hazardous.

Vinyl Chloride Homopolymer

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SECTION XVI. USERS RESPONSIBILITY

This bulletin cannot cover all possible situations that the user may experience during processing. Each aspect of the user's operation should be examined to determine, if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to employees and/or customers. Geismar Vinyls Company LP (GVC) must rely on the user to use this information to develop appropriate work practice guideline and employee instructional programs specific to the user's operation.

SECTION XVII. DISCLAIMER OF RESPONSIBILITY

As the conditions and methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this material. Information contained herein based on credible published data and is believed to be true and accurate, but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information or the hazards connected with the use thereof. Compliance with all applicable federal, state and local laws and regulations regarding the use, storage, sale, transport or disposal of this material is the responsibility of the user.

ISSUED: BY GEISMAR VINYLs COMPANY, LP October, 2004.