

Material Safety Data Sheet (MSDS)

Section 1: Chemical Product and Company Identification	
Product Name	Polyvinyl chloride
CAS Number	9002-86-2
Chemical Formula	[CH ₂ CHCl] _n
Company Name	CAMACHEM (Part of CAMAL Group) 3F Jinlong East Beijing Station Road Chaoyang District, Beijing, China
Contact	sales@camachem.com
Company Website	www.camachem.com
Section 2: Composition and Information on Ingredients	
Name	Polyvinyl chloride
CAS #	9002-86-2
% by Weight	>99 %
Section 3: Hazards Identification	
Potential Acute Health Effects:	Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane. Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.
Potential Chronic Health Effects:	This product has no known chronic effects. Repeated or prolong exposure to this compound is not known to aggravate medical conditions.
Section 4: First Aid Measures	
Eye Contact:	If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.
Skin Contact:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

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	If swelling, redness, blistering or irritation occurs seek medical assistance.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Ingestion:	Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.
Section 5: Fire and Explosion Data	
Flammability of the Product:	Non-Flammable.
Auto-Ignition Temperature:	391°C ASTM D1929
Flash Points:	Not Applicable.
Flammable Limits:	Not Applicable.
Extinguishing Media	Water, foam, and dry chemicals.
Unusual Fire and Explosion Hazards:	Dense smoke may be emitted when burned. Rigid PVC Compounds will not normally continue to burn after ignition without an external fire source. Rigid PVC Compound, in the form of a powder, may present a limited risk of dust explosion when mixed with air, but only under particular conditions. A strong energy source is necessary for ignition. Avoid dispersing the dust into clouds when extinguishing. Do not allow fire fighting runoff water to enter streams, rivers or lakes. The water may collect HCl and other combustion products.
Fire Fighting Media and Instructions:	Avoid inhalation of material or combustion by-products. Wear fire fighter's protective clothing and a NIOSH-approved self-contained breathing apparatus (SCBA).
Section 6: Accidental Release Measures	
Small Spill:	Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.
Large Spill:	Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or

	vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.
Section 7: Handling and Storage	
Precautions:	Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of dust.
Storage:	Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for spills.
Section 8: Exposure Controls/Personal Protection	
Engineering Controls:	Use adequate ventilation to keep airborne concentrations low.
Personal Protection:	<p>Eye Protection: Safety glasses or goggles.</p> <p>Skin Protection: PVC gloves with impervious boots, apron or coveralls. Employees should wash their hands and face before eating, drinking or using tobacco products.</p> <p>Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.</p> <p>Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.</p> <p>Additional Protective Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of hazardous chemicals.</p>
Section 9: Physical and Chemical Properties	
Physical state and appearance:	Powder.
Odor:	Odourless.
Taste:	Not Applicable.
Molecular Weight:	Not Applicable.
Color:	White.
pH (1% soln/water):	Not Applicable.
Boiling Point:	Not Applicable.

Melting Point:	302 °C
Critical Temperature:	Not Applicable.
Specific Gravity:	1.40
Vapor Pressure:	Not Applicable.
Vapor Density:	Not Applicable.
Volatility:	Not Applicable.
Odor Threshold:	Not Applicable.
Water/Oil Dist. Coeff.:	Not Applicable.
Ionicity (in Water):	Not Applicable.
Dispersion Properties:	Not Applicable.
Solubility:	Insoluble in water. Soluble in tetrahydrofuran, ethylene dichloride and cyclohexanone.
Section 10: Stability and Reactivity Data	
Stability:	Reacts violently with F2. Ordinary temperatures cause slow dehalogenation producing hydrogen chloride.
Instability Temperature:	Not Applicable
Conditions of Instability:	Instantaneous temperatures above 215 °C , prolonged heating at processing temperatures, or excessive shear/heat combinations during processing can generate hazardous decomposition products.
Incompatibility with various substances:	Avoid contact with acetal or acetal copolymers and amines (derivatives of ammonia). Sulfuric acid (90%), nitric acid (50%), bromine and fluorine.
Corrosivity:	Not Applicable.
Special Remarks on Reactivity:	Not Applicable.
Special Remarks on Corrosivity:	Not Applicable.
Polymerization:	Not Applicable.
Section 11: Toxicological Information	
No toxicological data is available for this finished product.	
Section 12: Ecological Information	
PVC is inert. No known significant or critical hazards.	
Section 13: Disposal Considerations	
Landfill. PVC is an inert plastic material. No special disposal procedures are necessary other than complying with local, state, and federal regulations.	
Section 14: Transport Information	



Contact: sales@camachem.com

This product is not regulated as a hazardous material by the U.S. Department of Transportation (DOT), IMDG, EU, United Nations, IATA or the Canadian Transportation of Dangerous Goods (TDG) regulations.

Section 15: Other Regulatory Information

This product is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances).
The Stockholm Convention (Persistent Organic Pollutants).
The Rotterdam Convention (Prior Informed Consent).
Basel Convention (Hazardous Waste).
International Convention for the Prevention of Pollution from Ships (MARPOL).

This product is covered by the following requirements:

All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).
Prohibition or notification/licencing requirements, including for carcinogens under Commonwealth, State or Territory legislation.

Section 16: Other Information

References:

Not available.

Other Special Considerations:

Not available.

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