



# CELCORE (PVA) CURING COMPOUND

Safety Data Sheet

Issued 05.16\_r1

## Section 1: Identification

**Product Name:** Celcore (PVA) Curing Compound  
**Chemical Formula:** Polyvinyl Alcohol Solution  
**Company:** MaxFlow Environmental Corporation  
3148 US Hwy 70 West  
Black Mountain, NC 28711  
(828) 669-4875  
**Recommended Use:** Industrial. Curing film for concrete

**No Symbol Required**

## Section 2: Hazards Identification

**Emergency Overview:** None needed.  
**GHS Classification:** Not regulated.  
**Other Classifications:** No hazard statements required.

## Section 3: Composition, Information on Ingredients

**Components:** CAS: 9002-89-5; Polyvinyl Alcohol 5-15%  
**Synonym(s):** PVOH  
**Other Ingredients:** CAS: 67-56-1; Methyl Alcohol < 0.90 %

## Section 4: First-Aid Measures

**Inhalation:** Unlikely with normal industrial use. Move to fresh air. Give artificial respiration if not breathing. Give oxygen if breathing is difficult.  
**Ingestion:** Give several glasses of water for oral rinsing. Seek medical assistance should symptoms occur.  
**Skin Contact:** Wash from skin using plenty of soap and water. Remove contaminated clothing.  
**Eye Contact:** Flush eyes with copious amounts of clean fresh water holding eye lids apart. Remove contact lenses. Should irritation continue following first aid, seek medical attention.

## Section 5: Fire Fighting Methods

**Conditions of Flammability:** The product itself does not burn.  
**Extinguishing Media:** Carbon Dioxide, dry sand, dry chemical, foam or water spray.  
**Protective Equipment:** Protective firefighting gear and breathing apparatus.  
**Hazardous Combustion Products:** Carbon dioxide, carbon monoxide  
**Special Information:** Do not use scatter material with high pressure water spray.

## Section 6: Accidental Release Measures

**Personal Precautions:** Very slippery when wet. Avoid contact with skin and eyes.  
**Emergency Procedures:** Take appropriate action to minimize spread of spill and further leakage.  
**Environmental Precautions:** Do not allow spill materials to enter storm drains or surface waterways.  
**Containment and Clean-up:** Dike spill with inert material. Use dry absorbent materials to collect spill. Place used absorbent materials into containers for proper disposal.

## Section 7: Handling and Storage

**Handling:** Wear personal protective gear such as normal work clothing, chemical resistant gloves and goggles or safety glasses. Wash thoroughly after handling. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Do not eat, drink or smoke while handling. After handling, use good hygiene before eating, drinking, smoking or using the bathroom.  
**Storage:** Store in tightly closed, plastic containers with proper identification. Protect from freezing.  
**Incompatibilities:** Oxidizing agents, acids, peroxides, perchlorates, nitrates and reactive metals.

## Section 8: Exposure Controls / Personal Protection

**Exposure Limits:** See Maximum Concentration at Workplace Table in this Section.  
**Engineering Controls:** Observe good industrial hygiene. Use with adequate ventilation to minimize inhalation of vapors. Mechanical ventilation or exhaust ventilation may be required.  
**Personal Protection:** Wear protective gear such as normal work clothing, chemical resistant gloves and splash resistant safety glasses, goggles or face shield.  
**Personal Respirators:** A NIOSH air-purifying respirator with cartridge may be required under certain circumstances where airborne mist concentration are expected to exceed exposure limits.

**Component Exposure Limits:**

CAS No.	Material	ppm	mg/m <sup>3</sup>
9002-89-5	Polyvinyl Alcohol Solutions (5-30%)	250 STEL [LMPE-CT]	310 STEL [LMPE-CT]
	Skin - potential for cutaneous absorption		

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Viscous clear to yellow liquid	<b>Relative Density (H<sub>2</sub>O)</b>	1.02 - 1.058 @ 20° C
<b>Flammability</b>	Non-combustible	<b>Explosive</b>	No data
<b>Odor</b>	Slight to none	<b>Evaporation Rate</b>	Not available
<b>Solubility (H<sub>2</sub>O)</b>	Soluble	<b>Vapor density</b>	Not available
<b>pH</b>	5 - 7.5 / 10% concentration	<b>Decomposition Temp</b>	Not available

**Section 10: Stability and Reactivity**

<b>Stability:</b>	Stable under normal conditions
<b>Hazardous Reactions:</b>	Hazardous polymerization will not occur.
<b>Conditions to Avoid:</b>	Protect from freezing.
<b>Incompatibilities:</b>	Oxidizing agents, acids, peroxides, perchlorates, nitrates, reactive metals
<b>Hazardous Decompositions:</b>	Thermal decomposition or exposure to combustion may liberate carbon oxides and other toxic gas vapors.

**Section 11: Toxicological Information****Potential Health Effects**

<b>Inhalation:</b>	No information on significant adverse effects.
<b>Skin Contact:</b>	May cause irritation to sensitive skin.
<b>Eye Contact:</b>	Eye contact is possible and should be avoided. May cause slight irritation.
<b>Ingestion:</b>	May cause gastrointestinal irritation.
<b>Component Analysis:</b>	LD50/LC50 The components of this material have been reviewed in various sources and the following endpoints are published. Polyvinyl Alcohol CAS 9002-89-5; LD50 Rat > 5000 mg/kg LC50 Rat >24 mg/L 1hr Methyl Alcohol CAS 67-56-1; Oral LD50 Rat 6200 mg/kg Inhalation LC50 Rat 22500 ppm 8 hrs

**Section 12: Ecological Information (non-mandatory)**

<b>Toxicology:</b>	According to current knowledge, adverse effects on water purification plants are not expected.
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**Section 13: Disposal Considerations (non-mandatory)**

<b>Disposal:</b>	Dispose of only in accordance with all Local, State and Federal Regulations.
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**Section 14: Transportation Information (non-mandatory)**

<b>DOT Hazard:</b>	Not regulated for transport.
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**Section 15: Regulatory Information (non-mandatory)**

<b>Federal Regulations:</b>	Methyl Alcohol CAS 67-56-1 SARA Sect 311/312 <b>Acute Health:</b> yes <b>Chronic Health:</b> no <b>Fire:</b> no <b>Pressure:</b> no <b>Reactivity:</b> no
<b>States:</b>	<b>CA:</b> yes - <b>MA:</b> yes - <b>MN:</b> yes - <b>NJ:</b> yes - <b>PA:</b> yes

**Section 16: Other Information**

<b>Employers Responsibility:</b>	Employers must ensure that the SDSs are readily accessible to employees for all hazardous chemicals in their workplace. This may be done in many ways. For example, employers may keep the SDSs in a binder or on computers as long as the employees have immediate access to the information without leaving their work area when needed and a back-up is available for rapid access to the SDS in the case of a power outage or other emergency. Furthermore, employers may want to designate a person(s) responsible for obtaining and maintaining the SDSs. If the employer does not have an SDS, the employer or designated person(s) should contact the manufacturer to obtain on.
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