




# Material Safety Data Sheet

chemusa

<b>Section I. Chemical Product and Company Identification</b>			
<b>Product Name/ Trade Name</b>	<b>DARVAN® 7</b>	<b>Code</b>	14406
		<b>CAS#</b>	Mixture.
<b>Supplier</b>	<b>R.T. VANDERBILT COMPANY, INC. 30 WINFIELD STREET NORWALK, CT 06855</b>	<b>In case of Emergency</b>	<b>Call: (203) 853-1400</b>
			
<b>Synonym</b>	Sodium polymethacrylate and water.		
<b>Chemical Name</b>	Not available.		
<b>Chemical Family</b>	Not available.		
<b>Chemical Formula</b>	Not applicable.		
<b>Material Uses</b>	Dispersing agent.		
<b>TSCA Status</b>	TSCA 8(b) inventory: DARVAN® 7		

<b>Section II. Composition and Information on Ingredients</b>			
	<b>Name</b>	<b>CAS #</b>	<b>% by Weight</b>
	1) sodium polymethacrylate	54193-36-1	24-26
	2) water	7732-18-5	74-76

<b>Section III. Hazards Identification</b>	
<b>Emergency Overview</b>	Clear colorless liquid. May cause slight eye and slight skin irritation. Aqueous liquid, product does not burn.

<b>Section IV. First Aid Measures</b>	
<b>Eye Contact</b>	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.
<b>Skin Contact</b>	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
<b>Inhalation</b>	Allow the victim to rest in a well ventilated area.
<b>Ingestion</b>	Do not induce vomiting. Immediately give two glasses of water, a little at a time. Never give anything by mouth to an unconscious person. Call a physician. If vomiting occurs spontaneously, lower head below waist to prevent fluid from entering the lungs

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**Section V. Fire and Explosion Data**

<b>Flammability of the Product</b>	Non-flammable.
<b>Auto-Ignition Temperature</b>	Not available.
<b>Flash Points</b>	CLOSED CUP: >100°C (212°F).
<b>Flammable Limits</b>	Not available.
<b>Products of Combustion</b>	Carbon and sodium oxides at combustion temperatures.
<b>Explosion Hazards in Presence of Various Substances</b>	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
<b>Fire Fighting Media and Instructions</b>	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
<b>Special Remarks on Fire Hazards</b>	Not available.
<b>Special Remarks on Explosion Hazards</b>	Not available.

**Section VI. Accidental Release Measures**

<b>Small Spill</b>	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
<b>Large Spill</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Prevent water from entering drinking water supplies or streams.

**Section VII. Handling and Storage**

<b>Storage</b>	Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place.
<b>Handling Procedures and Equipment</b>	Wash thoroughly after using. Keep from freezing. If frozen, thaw and mix before using.

**Section VIII. Exposure Controls/Personal Protection**

<b>Engineering Controls</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location. Use local exhaust ventilation. A capture velocity of 100-150 fpm is recommended.
<b>Personal Protection</b>	Safety glasses. Lab coat. Gloves.
<b>TLV / PEL</b>	Not available.

**Section IX. Physical and Chemical Properties**

<b>Appearance</b>	Colorless. Liquid.
<b>Molecular Weight</b>	Not applicable.
<b>pH (1% soln/water)</b>	10.5 [Basic.]
<b>Boiling/Condensation Point</b>	100°C (212°F)
<b>Melting/Sublimation Point</b>	May start to solidify at 0°C (32°F) based on data for: water.
<b>Specific Gravity</b>	1.16 (Water = 1)
<b>Density</b>	Not available.
<b>Vapor Pressure</b>	Not available.
<b>Vapor Density</b>	>1 (Air = 1)
<b>Volatility</b>	75% (v/v).
<b>Odor / Odor Threshold</b>	None
<b>Evaporation rate</b>	1
<b>Viscosity</b>	Not available.
<b>Water/Oil Dist. Coeff.</b>	The product is much more soluble in water.
<b>Solubility</b>	Soluble in water.

**Section X. Stability and Reactivity Data**

<b>Stability</b>	The product is stable.
<b>Instability Temperature</b>	Not available.
<b>Conditions of Instability</b>	Not available.
<b>Incompatibility with Various Substances</b>	Not available.
<b>Corrosivity</b>	Not available.
<b>Special Remarks on Reactivity</b>	Not available.

**Section XI. Toxicological Information**

<b>Routes of Entry</b>	Eye contact. Ingestion. Skin contact.
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 20000 mg/kg [Rat]. Acute dermal toxicity (LD50): 5000 mg/kg [Rabbit].
<b>Special Remarks on Toxicity to Animals</b>	Primary skin irritation index 0.25 (rabbits). Non-irritating to rabbit eyes.
<b>Acute Effects</b>	
<b>Eye contact</b>	Slightly hazardous in case of eye contact (irritant).
<b>Skin Contact</b>	May cause irritation.
<b>Sensitization</b>	This material is not expected to be a skin sensitizer. This material is not expected to be a skin absorption hazard.

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**Ingestion** May be an ingestion hazard.

**Inhalation** Not expected to be an inhalation hazard.

**Remarks** Not available.

**Chronic Effects on Humans** **CARCINOGENIC EFFECTS:** Not available.  
**MUTAGENIC EFFECTS:** Not available.  
**DEVELOPMENTAL TOXICITY:** Not available.  
**REPRODUCTIVE TOXICITY:** Not available.

**Remarks** Not available.

**Section XII. Ecological Information**

**Ecotoxicity** Not available.

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**BOD5 and COD** Not available.

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**Products of Biodegradation** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

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**Toxicity of the Products of Biodegradation** Not available.

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**Special Remarks on the Products of Biodegradation** Not available.

**Section XIII. Disposal Considerations**

**Waste information** Not available.

**Waste stream** Not available.

**Section XIV. Transport Information**

**DOT** Not a DOT controlled material (United States).



Not applicable.

**Remarks** Not applicable.

**Maritime transportation** Not available.

**Section XV. Other Regulatory Information and Pictograms**

**Classifications**      **HCS (USA)**      Not controlled under the HCS (United States).

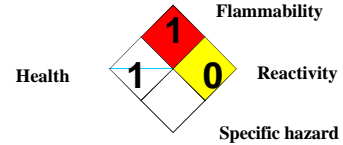
**Federal and State Regulations**      TSCA 8(b) inventory: DARVAN® 7

**Remarks**      **Not applicable.**

**Hazardous Material Information System (U.S.A.)**

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	a

**National Fire Protection Association (U.S.A.)**



**Other regulatory specifications**

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

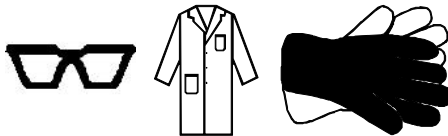
CEPA DSL: DARVAN® 7

Australia: DARVAN® 7

Japan (MITI): DARVAN® 7

Korea (TCCL): DARVAN® 7

**Protective Clothing (Pictograms)**



**Section XVI. Other Information**

**References**      Not available.

**Other Special Considerations**      Not available.

Validated by Erin A. Bendig on 7/16/1999.

Verified by Erin A. Bendig.

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**Information Contact**      David Bower, Ph.D. (203) 853-1400 ext. 233  
Corporate Risk Management

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