




Material Safety Data Sheet

chemusa

Section I. Chemical Product and Company Identification

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

Section II. Composition and Information on Ingredients

Name	CAS #	% by Weight
1) sodium polymethacrylate	54193-36-1	24-26
2) water	7732-18-5	74-76

Section III. Hazards Identification

Emergency Overview	Clear colorless liquid. May cause slight eye and slight skin irritation. Aqueous liquid, product does not burn.
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Section IV. First Aid Measures

Eye Contact	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.
Skin Contact	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.
Inhalation	Allow the victim to rest in a well ventilated area.
Ingestion	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

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

Section VI. Accidental Release Measures

Small Spill	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.
Large Spill	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

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

Section VIII. Exposure Controls/Personal Protection

Engineering Controls	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.
Personal Protection	Safety glasses. Lab coat. Gloves.
TLV / PEL	Not available.

Section IX. Physical and Chemical Properties

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

Section X. Stability and Reactivity Data

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

Section XI. Toxicological Information

Routes of Entry	Eye contact. Ingestion. Skin contact.
Toxicity to Animals	Acute oral toxicity (LD50): 20000 mg/kg [Rat]. Acute dermal toxicity (LD50): 5000 mg/kg [Rabbit].
Special Remarks on Toxicity to Animals	Primary skin irritation index 0.25 (rabbits). Non-irritating to rabbit eyes.
Acute Effects	
Eye contact	Slightly hazardous in case of eye contact (irritant).
Skin Contact	May cause irritation.
Sensitization	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.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
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).
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Not applicable.

Remarks	Not applicable.
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Maritime transportation	Not available.
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Section XV. Other Regulatory Information and Pictograms

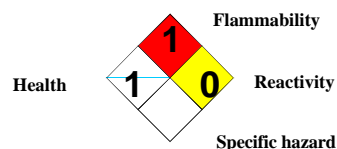
Classifications **HCS (USA)** Not controlled under the HCS (United States).

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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