




Material Safety Data Sheet

chemusa

Section I. Chemical Product and Company Identification	
Product Name/ Trade Name	DARVAN® 7-N
Supplier	R.T. VANDERBILT COMPANY, INC. 30 WINFIELD STREET NORWALK, CT 06855
Synonym	Sodium polymethacrylate and water.
Chemical name	Not available.
Chemical Family	Not available.
Chemical Formula	Not applicable.
Material Uses	Dispersing agent.
TSCA Status	TSCA 8(b) inventory: DARVAN® 7-N

Code	14395
CAS#	Mixture.
In Case of Emergency	Call: (203) 853-1400



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

Section III. Hazards Identification	
Emergency Overview	Colorless to light amber liquid. May cause slight eye and slight skin irritation.

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. Seek medical attention if irritation persists.
Skin Contact	For skin contact, flush affected areas with plenty of water for several minutes. Remove and clean contaminated clothing and shoes. Seek medical attention if irritation occurs.
Inhalation	Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if irritation or distress continues.
Ingestion	If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.

Section V. Fire and Explosion Data

Flammability of the Product	Will burn after product desiccation.
Autoignition Temperature	Not available.
Flash Point	CLOSED CUP: >93°C (200°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	When water has evaporated, the residue will burn. Containers may explode (due to build-up of pressure) when exposed to extreme heat
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	After handling, always wash hands thoroughly with soap and water. 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)	9.0-11.5
Boiling/Condensation Point	>100°C (212°F)
Melting Point	May start to solidify at 0°C (32°F) based on data for: water.
Specific Gravity	1.13-1.17 (Water = 1)
Density	Not available.
Vapor Pressure	Not available.
Vapor Density	>1 (Air = 1)
Volatility	75% (v/v).
Odor	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	Avoid strong oxidizing agents.
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.
Ingestion	May be an ingestion hazard.
Inhalation	Not expected to be an inhalation hazard.

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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.

BOD and COD Not available.

Products of Biodegradation None known.

Biodegradability Not available.

Special Remarks on the Products of Biodegradation Not available.

Section XIII. Disposal Considerations

Waste Information Waste must be disposed according to applicable regulations.

Waste Stream Not available.

Section XIV. Transport Information

DOT Not a DOT controlled material (United States).



Remarks Not applicable.

Maritime transportation Not available.

Section XV. Other Regulatory Information and Pictograms

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

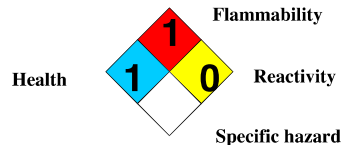
Federal and State Regulations TSCA 8(b) inventory: DARVAN® 7-N

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.)



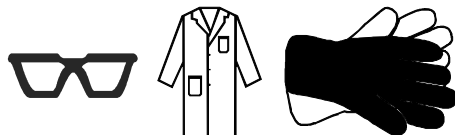
Other regulatory specifications

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

CEPA DSL: DARVAN® 7-N

Australia: Darvan 7-N
 China: Darvan 7-N
 Japan (MITI): Darvan 7-N
 Korea (TCCL): Darvan 7-N
 Philippines (RA6969): Darvan 7-N

Protective Clothing (Pictograms)



Section XVI. Other Information

References Not available.

Other Special Considerations Not available.

Validated by Alan Lopez on 9/29/2005.
 Previous Validation Date: No Previous Validation.

Verified by Alan Lopez.
 Printed 9/29/2005.

Information Contact (203) 853-1400
 Corporate Risk Management Department

Notice to Reader

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