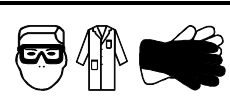




Material Safety Data Sheet

chemusa

Section I. Chemical Product and Company Identification	
Product Name/ Trade Name	DARVAN® 811
Supplier	R.T. VANDERBILT COMPANY, INC. 30 WINFIELD STREET NORWALK, CT 06855
Synonym	Sodium polyacrylate in an aqueous solution.
Chemical name	2-propenoic acid, homopolymer, sodium salt
Chemical Family	Not available.
Chemical Formula	Not applicable.
Material Uses	Industrial applications: Dispersing agent.
TSCA Status	TSCA 8(b) inventory: DARVAN® 811

Code	14255
CAS#	9003-04-7
In Case of Emergency	Call: (203) 853-1400
	

Section II. Composition and Information on Ingredients		
Name	CAS #	% by Weight
sodium polyacrylate	9003-04-7	40-45
water	7732-18-5	55-60

Section III. Hazards Identification	
Emergency Overview	Amber liquid. May cause eye and skin irritation based on testing of similar materials. As with any material for which toxicological data is limited or does not exist, avoid repeated or prolonged exposure

Section IV. First Aid Measures	
Eye Contact	Check for and remove any contact lenses. Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Cold water may be used. Do not use an eye ointment. Seek medical attention.
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. Seek immediate medical attention
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.

Section V. Fire and Explosion Data

Flammability of the Product	Not available.
Autoignition Temperature	Not available.
Flash Point	CLOSED CUP: >93°C (199.4°F). (Pensky-Martens.)
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO ₂). Some metallic oxides.
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 DRY earth, sand or other non-combustible material. Use appropriate instruments to put the spilled material in a 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. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.
Handling Procedures and Equipment	Avoid contact with eyes. Avoid contact with skin and clothing. Wash thoroughly after handling.

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.
Personal Protection	Splash goggles. Lab coat. Gloves.
TLV / PEL	Not available.

Section IX. Physical and Chemical Properties

Appearance	Light Amber. Liquid.
Molecular Weight	Not applicable.
pH (1% soln/water)	7-8
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	1.3 (Water = 1)
Density	1.3 Mg/m ³ at 25°C (77°F)
Vapor Pressure	Not available.
Vapor Density	Not available.
Volatility	57% (v/v).
Odor	Not available.
Evaporation Rate	>1
Viscosity	200 cPs
Water/Oil Dist. Coeff.	The product is much more soluble in water.
Solubility	Easily soluble in methanol, acetone. Soluble in cold water. Very slightly soluble in diethyl ether. Insoluble in n-octanol.

Section X. Stability and Reactivity Data

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

Section XI. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion
Toxicity to Animals	LD50: Not available. LC50: Not available.
Special Remarks on Toxicity to Animals	Not available.
Acute Effects	
Eye Contact	No data available. Product may cause irritation based on testing of similar materials.
Skin Contact	No data available. Product may cause irritation based on testing of similar materials.
Sensitization	No data available.
Ingestion	No data available.

Continued on Next Page

Inhalation	No data available.
Remarks	To the best of our knowledge, the toxicological properties of this substance have not been thoroughly investigated.

Chronic Effects on Humans	CARCINOGENIC EFFECTS Not available. MUTAGENIC EFFECTS Not available. DEVELOPMENTAL TOXICITY Not available. REPRODUCTIVE TOXICITY Not available.
Remarks	To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated. As with any material for which toxicological data is limited or does not exist, avoid repeated or prolonged exposure.


Section XII. Ecological Information

Ecotoxicity	Not available.
BOD and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Biodegradability	Not available.
Special Remarks on the Products of Biodegradation	Not available.

Section XIII. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control 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).

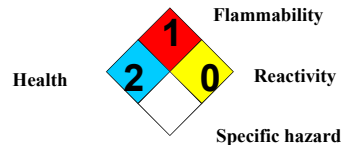
Federal and State Regulations TSCA 8(b) inventory: DARVAN® 811

Remarks **Not applicable.**

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

Health Hazard	2
Fire Hazard	1
Reactivity	0
Personal Protection	h

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



Other regulatory specifications

EINECS: Exempt polymer.

CEPA DSL: DARVAN® 811

Australia: DARVAN® 811

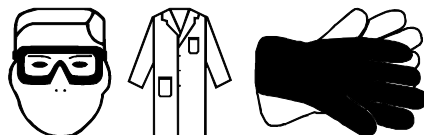
Japan (MITI): DARVAN® 811

Korea: DARVAN® 811

Philippines: DARVAN® 811

China: DARVAN® 811

Protective Clothing (Pictograms)



Section XVI. Other Information

References Not available.

Other Special Considerations Not available.

Validated by Erin A. Bendig on 8/8/2003.
 Previous Validation Date: No Previous Validation.

Verified by Erin A. Bendig.

Printed 8/8/2003.

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

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