

# **Material Safety Data Sheet**

US English

# 1. Product and company identification

Product name DARVAN® 7-N

In case of emergency

Supplier/Manufacturer Vanderbilt Minerals, LLC

Chemtrec: 1-800-424-9300

30 Winfield Street Norwalk, CT 06855

Outside US: +1-703-527-3887

1-203-295-2140

+

Chemical name Not available.

**Synonym** Sodium polymethacrylate and water.

Material uses Dispersing agent.

**Code** 14395

### 2. Hazards identification

Physical state Liquid.
Color Colorless.
Odor None.
Emergency overview CAUTION!

MAY CAUSE SKIN IRRITATION.

Avoid contact with skin.

Keep container closed. Use only with adequate ventilation. Wash thoroughly after

handling.

**Routes of entry** Dermal contact. Eye contact. Inhalation.

See toxicological information (Section 11)

# 3. Composition/information on ingredients

 Name
 CAS no.
 % by weight

 water
 7732-18-5
 74 - 76

 sodium polymethacrylate
 54193-36-1
 24 - 26

### 4. First aid measures

**Eye contact** Check for and remove any contact lenses. Immediately flush eyes with plenty of water

for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical

attention if symptoms occur.

Skin contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes

while removing contaminated clothing and shoes. Wash clothing before reuse. Clean

shoes thoroughly before reuse. Get medical attention if symptoms occur.

**Inhalation** Move exposed person to fresh air. If not breathing, if breathing is irregular or if

respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if

symptoms occur.

Ingestion Wash out mouth with water. Do not induce vomiting unless directed to do so by medical

personnel. Never give anything by mouth to an unconscious person. Get medical

attention if symptoms occur.

Protection of first-aiders No action shall be taken involving any personal risk or without suitable training.

1/7

#### 4. First aid measures

Notes to physician 
No specific treatment. Treat symptomatically. Contact poison treatment specialist

immediately if large quantities have been ingested or inhaled.

# 5. Fire-fighting measures

Flammability of the product In a fire or if heated, a pressure increase will occur and the container may burst.

**Extinguishing media** 

**Suitable** Use an extinguishing agent suitable for the surrounding fire.

Not suitable None known.

Special exposure hazards Promptly isolate the scene by removing all persons from the vicinity of the incident if

there is a fire. No action shall be taken involving any personal risk or without suitable

training.

Hazardous thermal decomposition products

Decomposition products may include the following materials:

carbon dioxide carbon monoxide metal oxide/oxides

Special protective equipment for fire-fighters

Special remarks on fire

hazards

Fire-fighters should wear appropriate protective equipment and self-contained breathing

apparatus (SCBA) with a full face-piece operated in positive pressure mode.

When water has evaporated, the residue will burn. Containers may explode (due to build-up of pressure) when exposed to extreme heat.

#### 6. Accidental release measures

Personal precautions No action shall be taken involving any personal risk or without suitable training.

Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal

protective equipment (see Section 8).

Environmental precautions Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains

and sewers. Inform the relevant authorities if the product has caused environmental

pollution (sewers, waterways, soil or air).

Methods for cleaning up

Small spill Stop leak if without risk. Move containers from spill area. Dilute with water and mop up

if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste

disposal contractor.

Large spill Stop leak if without risk. Move containers from spill area. Prevent entry into sewers,

water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact

information and Section 13 for waste disposal.

# 7. Handling and storage

Handling Put on appropriate personal protective equipment (see Section 8). Eating, drinking and

smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

Storage Store in accordance with local regulations. Store in original container protected from

direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate

containment to avoid environmental contamination.

# 8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

**Recommended monitoring** 

procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Engineering measures** 

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Hygiene measures** 

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protection** 

Respiratory Use a properly fitted, air-purifying or air-fed respirator complying with an approved

standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe

working limits of the selected respirator.

Hands Chemical-resistant, impervious gloves complying with an approved standard should be

worn at all times when handling chemical products if a risk assessment indicates this is

necessary.

Recommended: Protective gloves should be worn under normal conditions of use. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or

dusts. Recommended: safety glasses with side-shields

Skin Personal protective equipment for the body should be selected based on the task being

performed and the risks involved and should be approved by a specialist before

handling this product.

Recommended: lab coat

**Environmental exposure** 

controls

**Eyes** 

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Personal protective equipment (Pictograms)





# 9. Physical and chemical properties

Physical state Liquid.
Color Colorless.
Odor None.
pH 9 to 11.5

**Boiling/condensation point** >100°C (>212°F) **Melting/freezing point**Not available.

Flash point Closed cup: >93°C (>199.4°F) [Pensky-Martens.]

Auto-ignition temperatureNot available.Vapor pressureNot available.Density1.13 to 1.17 g/cm³

#### **DARVAN® 7-N**

### Physical and chemical properties

1.13 to 1.17 Relative density

**Solubility** Soluble in the following materials: cold water.

Partition coefficient: n-

octanol/water

Not available.

**Viscosity** Not available. >1 [Air = 1] Vapor density **Volatility** 75% (v/v)

**Evaporation rate** <1 (butyl acetate = 1)

# 10. Stability and reactivity

**Chemical stability** The product is stable.

Possibility of hazardous

reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

**Hazardous polymerization** 

Under normal conditions of storage and use, hazardous polymerization will not occur.

**Conditions to avoid** Materials to avoid

No specific data. No specific data.

**Hazardous decomposition** 

products

Under normal conditions of storage and use, hazardous decomposition products should

not be produced.

substances

Incompatibility with various Reactive or incompatible with the following materials: oxidizing materials.

**Conditions of reactivity** When water has evaporated, the residue will burn. Containers may explode (due to

build-up of pressure) when exposed to extreme heat.

# 11. Toxicological information

**Acute toxicity** 

Product/ingredient name Result **Species** Dose **Exposure** 

DARVAN® 7-N LD50 Dermal Rabbit >5000 mg/kg LD50 Oral Rat 20000 mg/kg

Conclusion/Summary

**Chronic toxicity** 

**Conclusion/Summary** Not available.

Irritation/Corrosion

**Conclusion/Summary** 

Skin May cause skin irritation. Primary skin irritation index (rabbits): 0.25

**Eyes** Non-irritating to the eyes. (Rabbit)

Not available.

**Sensitizer** 

**Conclusion/Summary** Not available.

Carcinogenicity

**Conclusion/Summary** Not available.

**Mutagenicity** 

**Conclusion/Summary** Not available.

**Teratogenicity** 

Not available. **Conclusion/Summary** 

Reproductive toxicity

Not available. **Conclusion/Summary** Not available. Other information

# 12. Ecological information

**Environmental effects** 

No known significant effects or critical hazards.

**Aquatic ecotoxicity** 

**Conclusion/Summary** 

Not available.

**Biodegradability** 

**Conclusion/Summary** 

Not available.

Other adverse effects

No known significant effects or critical hazards.

# 13. Disposal considerations

Waste disposal

The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

# 14. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
<b>DOT Classification</b>	Not regulated.	-	-	-		-
TDG Classification	Not regulated.	-	-	_		-
ADR/RID Class	Not regulated.	-	-	_		-
IMDG Class	Not regulated.	-	-	_		-
IATA-DGR Class	Not regulated.	-	-	_		-

PG\*: Packing group

## 15. Regulatory information

**HCS Classification** 

Not regulated.

**U.S. Federal regulations** 

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States inventory (TSCA 8b): All components are listed or exempted.

SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No

products were found.

# 15. Regulatory information

State regulations

**Connecticut Carcinogen Reporting**: None of the components are listed.

Connecticut Hazardous Material Survey: None of the components are listed.

Florida substances: None of the components are listed.

Illinois Chemical Safety Act: None of the components are listed.

Illinois Toxic Substances Disclosure to Employee Act: None of the components are

isted.

Louisiana Reporting: None of the components are listed. Louisiana Spill: None of the components are listed. Massachusetts Spill: None of the components are listed.

**Massachusetts Substances**: None of the components are listed. **Michigan Critical Material**: None of the components are listed.

**Minnesota Hazardous Substances**: None of the components are listed. **New Jersey Hazardous Substances**: None of the components are listed.

New Jersey Spill: None of the components are listed.

New York Acutely Hazardous Substances: None of the components are listed. New York Toxic Chemical Release Reporting: None of the components are listed. Pennsylvania RTK Hazardous Substances: None of the components are listed. Rhode Island Hazardous Substances: None of the components are listed.

California Prop. 65

Not available.

United States inventory (TSCA 8b)

International regulations

International lists

All components are listed or exempted.

**Europe inventory:** All components are listed or exempted. **Canada inventory:** All components are listed or exempted.

Australia inventory (AICS): All components are listed or exempted. China inventory (IECSC): All components are listed or exempted.

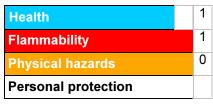
**Japan inventory**: All components are listed or exempted. **Korea inventory**: All components are listed or exempted.

New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.

Philippines inventory (PICCS): All components are listed or exempted.

### 16. Other information

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



\* Chronic Potential

The customer is responsible for determining the PPE code for this material.

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



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#### 16. Other information

Information contact Vanderbilt Global Services, LLC

**Corporate Risk Management** 

1-203-295-2143

▼ Indicates information that has changed from previously issued version.

Visit www.vanderbiltminerals.com for more information.

#### **Notice to reader**

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