

1. Product and Company Identification

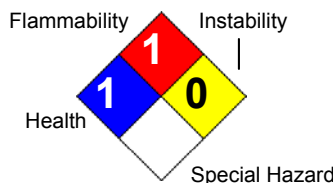
Product Code: 00034
Product Name: Swell-Star
Trade Name: Superabsorbent Polyacrylamide
Company Name: NorthStar Fluid Solutions
PO Box 271036
Louisville, CO 80027
Phone Number: (303)495-3130
Web site address: www.northstarfluids.com
Emergency Contact: ChemTrec 1 (800)424-9300
International 1 (703)527-3887
Information:

2. Hazards Identification

Emergency Overview: The product when wet renders surfaces extremely slippery.
The product swells in water.

Hazard Rating System:

HEALTH	1
FLAMMABILITY	1
PHYSICAL	0
PPE	E



Potential Health Effects
(Acute and Chronic):

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
NA	(Trade Secret)	0.0 -100.0 %

4. First Aid Measures

Emergency and First Aid

Procedures: No hazards which require special first aid measures.
In Case of Inhalation:
In Case of Skin Contact: No hazards which require special first aid measures.
In Case of Eye Contact: Rinse thoroughly with plenty of water, also under eyelids. In case of persistent eye irritants, consult a physician.
In Case of Ingestion: This product is not considered toxic based on studies on laboratory animals.

5. Fire Fighting Measures

Flash Pt: NA
Explosive Limits: LEL: No data. UEL: No data.
Autoignition Pt: No data.
Suitable Extinguishing Media: Water, water spray, foam, carbon dioxide CO2, dry powder.
Unsuitable Extinguishing Media: None
Fire Fighting Instructions: The product when wet renders surfaces extremely slippery. The product swells in water. Wear self-contained breathing apparatus.
Flammable Properties and Hazards: No data available.

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6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures:	No special precautions required
Environmental Precautions:	No special precautions required
Steps To Be Taken In Case Material Is Released Or Spilled:	Clean up promptly by scoop or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

7. Handling and Storage

Precautions To Be Taken in Handling:	Avoid contact with skin, eyes or clothing. Avoid dust formation. Do not breathe dust. Wash hands before breaks and at the end of work day.
Precautions To Be Taken in Storing:	Keep in a dry, cool place (0-35C)

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
NA	(Trade Secret)	No data.	No data.	No data.
Respiratory Equipment (Specify Type):	Dust safety masks are recommended where concentration of total dust is more than 10mg/m3.			
Eye Protection:	Safety glasses with side-shields. Do not wear contact lenses.			
Protective Gloves:	Gloves are recommended.			
Other Protective Clothing:	No special protective clothing required.			
Engineering Controls (Ventilation etc.):	Use local exhaust if dusting occurs. Natural ventilation is adequate in the absence of dusts.			
Work/Hygienic/Maintenance Practices:	Wash hands before breaks and at the end of work day. Handle in accordance with good industrial hygiene and safety practice			

9. Physical and Chemical Properties

Physical States:	[☐] Gas	[☐] Liquid	[☒] Solid
Appearance and Odor:	Granular solid Color: White Odor: None		
Melting Point:	NA		
Boiling Point:	No data.		
Autoignition Pt:	No data.		
Flash Pt:	NA		
Explosive Limits:	LEL: No data.		UEL: No data.
Specific Gravity (Water = 1):	No data.		
Density:	NA		
Vapor Pressure (vs. Air or mm Hg):	No data.		
Vapor Density (vs. Air = 1):	No data.		
Evaporation Rate:	No data.		
Solubility in Water:	No data.		

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Viscosity: NA
Percent Volatile: No data.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: No special precautions required.
Incompatibility - Materials To Avoid: This product swells in water
Hazardous Decomposition Or Byproducts: Thermal decomposition may produce: hydrogen cyanide (hydrocyanic acid), nitrogen oxides (NOx), carbon oxides.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

Toxicological Information: Oral: not toxic: LD50/oral/rat>5000mg/kg
Dermal: Not toxic: LD50/dermal/rabbit>2000mg/kg

Skin: Not Irritating
Eyes: Moderate eye irritation due to effects all powders have on conjunctivae.

12. Ecological Information

General Ecological Information: Ecological injuries are not known or expected under normal use. Aquatic toxicity is unlikely due to low solubility.
Persistence and Degradability: Not readily biodegradable. < 10% after 28 days.

13. Disposal Considerations

Waste Disposal Method: In accordance with local and national regulations.
Can be landfilled or incinerated, when in compliance with local regulations.

14. Transport Information

LAND TRANSPORT (US DOT):
DOT Proper Shipping Name: Not regulated
DOT Hazard Class:
UN/NA Number:

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
NA	(Trade Secret)	No	No	No

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Regulatory Information:

RCRA status: Not hazardous waste.

Reportable Quantity (40CFR302): Not applicable.

Threshold Planning Quantity (40 CFR355): Not applicable.

Toxic Chemical Release Reporting (40 CFR 372): Not applicable

California Proposition 65 Information: The following statement is made in order to comply with California Safe Drinking water and toxic Enforcement Act of 1986: this product contains a chemicals(s) known to the State of California to cause cancer: residual acrylamide.

16. Other Information

Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, NorthStar Fluid Solutions, makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the person receiving this MSDS will make own determination as to its suitability for their intended purpose prior to use. Since the product is within the exclusive control of the user, it is the user's obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal Regulations concerning the Product. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HERUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.