

Safety Data Sheet



Section 1. Chemical Product and Company Identification

Material Name : Cellulose
Other Designations : Sponge (wet, sta-soft)

Company/Undertaking Identification:

Premier Farnell
150 Armley Road
Leeds LS12 2QQ
Tel. : +44 (0) 870 129 8608

Telephone number for emergency:

+44 (0) 870 202530

Section 2. Composition Information on Ingredients

Chemical	Chemical Formula	%	CAS#
Cellulose	$(C_6H_{10}O_5)_n$	29%	9004-34-6
Water	H_2O	51%	NA
Magnesium Chloride Hexahydrate	$MgCl_2 \cdot 6H_2O$	19%	7786-30-3
Urea	$CO(NH_2)_2$	<1%	57-13-6
Quaternary Ammonium Chloride	$C_6H_5CH_2N(CH_3)_2RCl$	<1%	8001-54-5

Section 3. Hazards Identification

Summary/Overview of Hazards: A sponge of regenerated cellulose; highly absorbent, soft, and resilient when wet; comes in various colours. The pores vary in size from coarse pore(roughly the size of a pea) to fine pore (roughly the size of a pinhead). This material is combustible.

Potential Routes of Exposure : Ingestion, Inhalation, Skin/Eye Contact

Target Organ : Eyes, Skin, Respiratory system

Symptoms of Overexposure (by route):

Inhalation : Irritation of the eyes, skin, and / or mucous membranes

Ingestion : Choking

Dermal Contact : Irritation of the eyes, skin, and / or mucous membranes

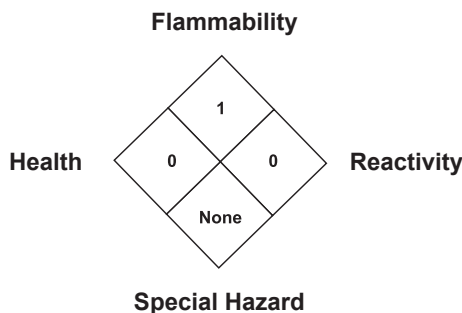
Acute Effects : Irritation of the eyes, skin, and / or mucous membranes

Chronic Effects : NA

Medical conditions aggravated by long-term exposure : NA

Degree of Hazard (NFPA System)

- 4 - Extreme
- 3 - High
- 2 - Moderate
- 1 - Slight
- 0 - Insignificant



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Section 4. First Aid Measures

Eye Exposure	: Irrigate immediately
Skin Exposure	: Wash with soap and water
Ingestion	: Treat for choking
Inhalation	: Remove to fresh air

Section 5. Fire Fighting Measures

Extinguishing Media	: Water
Unusual Fire or Explosion Hazards	: None
Recommended Fire-Fighting Procedures	: Clear fire area of unprotected personnel. Do not enter confirmed fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots) including a positive pressure NIOSH approved self-contained breathing apparatus. Utilize water as fire extinguishing medium.

Section 6. Accidental Release Measures

Recommended Spill/Leak Response Procedures:

Large Spills	: Remove potential sources of combustion. Collect and containerize spilled material, and dispose of in accordance with applicable regulations.
Small Spills	: Remove potential sources of combustion. Collect and containerize spilled material, and dispose of in accordance with applicable regulations.

Section 7. Handling and Storage

Storage Requirements	: Store away from heat and other possible ignition sources, including incompatible materials. (See also Section 10.)
Recommended Handling Precautions	: NA

Section 8. Exposure controls / Personal Protection

Applicable Exposure Limits:

Substance	OSHA PEL	OSHA STEL	OSHA Ceiling	IDLH
Cellulose	15mg/m ³ (total dust) 5mg/m ³ (respirable dust)	NA	NA	NA

Recommended Engineering Controls	: NA
Recommended Administrative Controls	: NA
Recommended Personal Protective Equipment (PPE)	: NA
Recommended Hygiene Practices	: Wash hands and / or contacted skin with soap and water after handling.



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Section 9. Physical and Chemical Properties*

Appearance	Porous sponge	Melting Point	500 ~ 518°F	Autoignition Temperature	450°F
Odor	None	Water Solubility	Insoluble	Lower Explosive Limit (LEL)	NA
Odor Threshold	NA	Molecular Weight	160,000 ~ 60,000	Upper Explosive Limit (UEL)	NA
Vapor Pressure	NA	Specific Gravity	1.27 ~ 1.61	Vapor Density (air = 1)	NA
Boiling Point	Decomposes	Flash Point	NA		

*Properties listed are for cellulose.

Section 10. Stability and Reactivity

Stability	: Stable
Polymerization	: Will not occur
Chemical Incompatibilities	: May react with strong oxidises, bromine pentafluoride, sodium nitrate or fluorine.
Conditions to Avoid	: Heat, Sparks, Open flame, contact with incompatible materials.
Hazardous Products of Decomposition	: Carbon monoxide may be formed during combustion

Section 11. Toxicological Information

LD ₅₀	: No data
LC ₅₀	: No data
LD _{Lo}	: No data
Carcinogenicity	: Not identified as a carcinogen
Mutagenicity	: Not indicated
Reproductive Effects	: Not indicated

Section 12. Ecological Information

Environmental Mobility	: No Data
Freshwater Acute Criteria	: Not Found
Freshwater Chronica Criteria	: Not Found
Bioconcentration Factor (BCF)	: Not Found

Section 13. Disposal Considerations

EPA Waste Codes	: NA
Recommended Disposal Methods/Technology	: Dispose by land filling.

Section 14. Transport Information

DOT Shipping Name	: NA
DOT Hazard Class	: NA
I.D.#	: NA
DOT Packing Group	: NA
DOT Label	: NA

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Section 15. Regulatory Information

EPA Designations	: -
Hazardous Waste (RCRA)	: NA
Hazardous Substance (CERCLA)	: No
Reportable Quantity (RQ)	: NA
Extremely Hazardous Substance SARA-302)	: Not
Threshold Planning Quantity (TPQ)	: NA
Toxic Chemical (SARA-313)	: No
Hazardous Air Pollutant (CAA)	: No

Section 16. Other Information

Part Number
11NS005

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