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**SECTION I - PRODUCTION IDENTIFICATION**

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**YARN BINDER****MANUFACTURER:**

NEWTEX INDUSTRIES, INC.  
8050 Victor Mendon Road  
Victor, New York 14564  
Tel: (585) 924-9135

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**SECTION II - INGREDIENTS**

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<u>AS MANUFACTURED:</u>	<u>WT.%</u>	<u>TLV/PEL</u>
Hydroxyethyl Cellulose (CAS # 9004-62-0)	Approx. 85.5%	OSHA (total dust): 15 mg/m <sup>3</sup> TWA8  ACGIH (total dust): 10 mg/m <sup>3</sup> TWA8  ACGIH (respirable dust): 5 mg/m <sup>3</sup> TWA8
Sodium Acetate (CAS # 127-09-3)	Approx 7.5%	None Established
Unreacted (or partially reacted) Cellulose (CAS # 9004-34-6)	Approx. 1.0%	OSHA (total dust): 15 mg/m <sup>3</sup> TWA8  ACGIH (total dust): 10 mg/m <sup>3</sup> TWA8  ACGIH (respirable dust): 5 mg/m <sup>3</sup> TWA8
Water (CAS # 7732-18-5)	Approx 1.0%	None Established
Glyoxal (CAS # 107-22-2)	Approx. 0.7%	None Established

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E-Mail: [sales@newtex.com](mailto:sales@newtex.com); Internet address: [www.newtex.com](http://www.newtex.com)



# MATERIAL SAFETY DATA SHEET

# MSDS022

OSHA = Occupational Safety and Health Administration  
ACGIH = American Conference of Governmental Industrial Hygienists  
PEL = Permissible Exposure Limit  
TLV = Threshold Limit Value  
TWA8 = 8-hour Time Weighted Average

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## SECTION III - PHYSICAL DATA

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MELTING POINT: Decomposes above 200°C (392°F)  
DENSITY BULK: 1.38 to 1.40 g/cm<sup>3</sup>  
% VOLATILE (by weight): Approx. 5.0%  
APPEARANCE AND ODOR: White powder; mild characteristic odor

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## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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AUTOIGNITION TEMPERATURE: 752°F (399°C)  
UNUSUAL FIRE AND EXPLOSIVE HAZARDS: Avoid dispersion of dust in the air to reduce potential for dust ignition/rapid burning. Dust is easily ignited; avoid ignition sources; handle in properly bonded and grounded, electrically-conductive equipment. In the presence of flammables, handle and convey in inert nitrogen-blanketed atmospheres.  
SPECIAL FIRE FIGHTING PROCEDURES: Do not direct a solid stream of water or foam into burning molten material; this may cause splattering and spread the fire. Use self-contained breathing apparatus and protective clothing.  
EXTINGUISHING MEDIA: Apply alcohol-type or all-purpose-type foam by manufacturer's recommended techniques for large fires. Use CO<sub>2</sub> or dry chemical media for small fires.

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## SECTION V - HEALTH HAZARD DATA

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PRIMARY ROUTE OF ENTRY: Inhalation, Ingestion

EFFECTS OF ACUTE OVEREXPOSURE:

Inhalation: Dust may cause irritation of the nose and throat, accompanied by cough and chest discomfort.

Ingestion: No evidence of adverse effects from available information.

Skin Contact: No evidence of adverse effects from available information.

Eye Contact: Dust may be minimally irritating, causing discomfort and mild excess reddening of the conjunctiva.

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Approved by Laura Pritchard

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**SECTION V - HEALTH HAZARD DATA CONTINUED**

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**EFFECTS OF REPEATED OVEREXPOSURE:** This product may contribute to nuisance dust and possibly to respirable dust. Avoid breathing dust.

**MEDICAL CONDITIONS AGGRAVATED:** Breathing of dust may aggravate asthma and inflammatory or fibrotic pulmonary disease.

**SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH HAZARD EVALUATION:** Pharmacokinetic and material balance studies have shown that only minor amounts of hydroxyethyl cellulose penetrate the skin under single sustained occluded conditions of cutaneous contact.

**OTHER EFFECTS OF OVEREXPOSURE:** None currently known.

**EMERGENCY AND FIRST AID PROCEDURES:**

**INGESTION:** If a large quantity (several ounces) is swallowed, and if patient is conscious and has a gag reflex, give two glasses of water. Induce vomiting. Obtain medical attention.

**INHALATION:** Remove to fresh air.

**SKIN:** Wash with soap and water.

**EYES:** Flush eyes thoroughly with water for several minutes. Seek medical attention if discomfort persists.

**NOTES TO PHYSICIAN:** Toxicology studies have shown the material to be of very low acute toxicity. There is no specific antidote. Treatment of overexposure should be directed to the control of the symptoms and the clinical condition of the patient.

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**SECTION VI - REACTIVITY DATA**

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**STABILITY:** Stable

**CONDITIONS TO AVOID:** None

**INCOMPATIBILITY:** None

**HAZARDOUS POLYMERIZATION:** Will not occur.

**MATERIALS/CONDITIONS TO AVOID:** None Known

**HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:** Combustion may produce carbon monoxide and/or carbon dioxide. Carbon monoxide is highly toxic if inhaled. Carbon dioxide in sufficient concentrations can act as an asphyxiant.

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**SECTION VII - SPILL OR LEAK PROCEDURES**

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Apply absorbent material to soak up spill. Shovel up absorbant material and place in a suitable container for disposal as a non-hazardous waste. Flush spill site with water.

**WASTE DISPOSAL:** Bury in a landfill where permitted under appropriate Federal, State, and local regulations.

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**SECTION VIII - PERSONAL PROTECTION INFORMATION**

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ENGINEERING CONTROLS: Local ventilation may be needed where containers are opened and discharged.

PROTECTIVE CLOTHING: Plastic gloves.

EYE PROTECTION: Goggles should be worn and an eyewash station should be available.

RESPIRATORY PROTECTION: Use OSHA/NIOSH approved respirator for dust, if dusting conditions exist.

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**SECTION IX - SPECIAL PRECAUTIONS**

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

**Warning:** Static ignition hazard can result from handling and use. Electrically bond and ground all metal containers and equipment before transfer or use of material. Do not handle or empty container in presence of flammable vapors. Avoid heat, sparks, and flame. Keep container closed. Use adequate ventilation.

OTHER PRECAUTIONS : Spills may be slippery when wet.

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**SECTION X - REGULATORY INFORMATION**

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STATUS ON SUBSTANCE LISTS: The concentrations shown are maximum or ceiling levels (% weight) to be used for calculations for regulations.

FEDERAL EPA :

Comprehensive Environmental Response Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4.

Components present in this product at a level which could require reporting under the statute are : \*\*\* NONE \*\*\*

Superfund Amendments and Reauthorization Act 1986 (SARA) Title III:

Requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 02, 304, 311, and 312). Components present in this product at a level which could require reporting under the statute are : \*\*\* NONE \*\*\*

Superfund Amendments and Reauthorization Act 1986(SARA) Title III:

Requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are : \*\*\* NONE \*\*\*

Toxic Substance Control Act (TSCA) status:

The ingredients of this product are on the TSCA inventory.



# MATERIAL SAFETY DATA SHEET

# MSDS022

EPA Hazard Categories: Delayed Health

### STATE RIGHT-TO-KNOW :

California Proposition 65: This product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

Massachusetts Right-to Know, Substance List (MSL): Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are :

\*\*\* NONE \*\*\*

Pennsylvania Right-to-Know, Hazardous Substance List: Hazardous Substances and Special Hazardous Substances on the List must be identified when present in products.

HAZARDOUS SUBSTANCES (> 1%)

CHEMICAL	CAS NUMBER	UPPER BOUND CONCENTRATION %
Unreacted (or partially reacted) Cellulose	9004-34-6	Approx. 1.0%

California SCAQMD Rule 443.1 VOC's: Not applicable

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