

**HYDRO GREEN™ (Hydroseeding Mulch)**  
**MATERIAL SAFETY DATA SHEET Effective Date: February 2007**  
**HYDRO GREEN™ is a registered trademark of Nu-Wool Co., Inc.**

**CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: HYDRO GREEN™	NU-WOOL COMPANY, INC.
Chemical Formula: (C1H15O5)-Na2SO4*C16H29O7SNa 2C23H25N2+3C2H2O4	2472 Port Sheldon Street
Chemical Family; Hydroseeding mulch	Jenison, Michigan 49428
CAS Registry Number: Not Established	
ACGIH TLV: 15 mg/m3 (respirable)	
HMIS Rating: Health 0	<b>Emergency Phone Number:</b>
Reactivity 0	<b>NU-WOOL CO. INC.</b>
Flammability 1	<b>616-669-0100</b>
Personal Protection "E"	

**HAZARD IDENTIFICATION**

**Emergency Overview: This product does not contain regulated levels of hazardous ingredients as defined in: OSHA STANDARD 29 CFR 1910.1000.**

HYDRO GREEN™ hydroseeding mulch is a green, odorless paper fiber material treated with Navizol green liquid for color application control. This product does not present any unusual hazard if involved in a fire. HYDRO GREEN™ hydroseeding mulch presents little or no hazard (to humans) and has low acute oral and dermal toxicity's.

**POTENTIAL ECOLOGICAL EFFECTS:**

This products inherent design is used with revegetation and is not harmful to ecological systems.

**POTENTIAL HEALTH EFFECTS:**

Rates of Exposure: Inhalation is the most significant route of exposure in occupational and other settings. Dermal exposure is not usually a concern because HYDRO GREEN™ hydroseeding mulch is not absorbed through intact skin.

Inhalation: HYDRO GREEN™ hydroseeding mulch is not likely to be hazardous by inhalation.

Eye Contact: HYDRO GREEN™ hydroseeding mulch is non-irritating to eyes in normal industrial use.

Skin Contact: HYDRO GREEN™ hydroseeding mulch does not cause irritation to intact skin.

Ingestion: Products containing HYDRO GREEN™ hydroseeding mulch are not intended for ingestion. HYDRO GREEN™ hydroseeding mulch has a relatively low acute toxicity. Swallowing large amounts may cause gastrointestinal symptoms.

Cancer: HYDRO GREEN™ hydroseeding mulch is not considered a carcinogen.

**FIRST AID MEASURES**

Inhalation: No special treatment is necessary since HYDRO GREEN™ hydroseeding mulch is not likely to be hazardous by inhalation. Prolonged exposure to dust levels in excess of regulatory limits should always be avoided.

Eye Contact: Use eye wash fountain or fresh water to cleanse eye. If irritation persists for more than 30 minutes, seek medical attention.

Skin Contact: Wash affected area with soap and water.

Ingestion: If swallowed, give two glasses of water to drink and seek medical attention.

**FIRE FIGHTING MEASURES**

General Hazard: None when in solution.

Flash Point: Not Applicable

Flammable Limits LEL: 1

Flammable Limits UEL: Not Applicable

Extinguishing Media: Water

Special Fire Fighting Procedure: None

Unusual Fire & Explosion Hazards: None

**ACCIDENTAL RELEASE MEASURES**

General: HYDRO GREEN™ hydroseeding mulch is biodegradable and will not cause damage to trees or vegetation by root absorption.

Land Spill: Vacuum, shovel or sweep up HYDRO GREEN™ hydroseeding mulch and place containers for disposal in accordance with applicable state and local regulations. No personal protective equipment is needed to clean up land spills.

Water Spill: HYDRO GREEN™ hydroseeding mulch will not cause localized contamination of surrounding waters.

There is no known damage at high concentrations to local vegetation, fish and other aquatic life. This products inherent design is to be used with other compatible revegetation products.

## **HANDLING AND STORAGE**

Storage Temperature: Ambient

Storage Pressure: Atmospheric

Special Sensitivity: None known.

General: No special handling precautions are required, but dry, indoor storage is recommended. To maintain package integrity, bags should be handled on a "first-in, first-out" basis.

## **EXPOSURE CONTROL / PERSONAL PROTECTION**

Engineering Controls: Use local exhaust ventilation to keep airborne concentrations of HYDRO GREEN™ hydroseeding mulch dust below permissible exposure levels.

Personal Protection: Where airborne concentrations are expected to exceed exposure limits, NIOSH/MSHA certified respirators must be used. Eye goggles and gloves are not required for normal industrial exposures, but may be warranted if environment is excessively dusty.

Occupational Exposure Limits: HYDRO GREEN™ hydroseeding mulch is listed/regulated by OSHA, Cal OSHA and ACGIH as "Particulate Not Otherwise Classified" or "Nuisance Dust".

OSHA: PEL\* 15 mg/m<sup>3</sup> total dust and 5 mg/m<sup>3</sup> respirable dust \*PEL = "Permissible Exposure Limit"

ACGIH: TLV\*\* 5 mg/m<sup>3</sup> (respirable) \*\*TLV = "Threshold Limit Value"

Cal OSHA: PEL\* 5 mg/m<sup>3</sup>

## **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Green, fiber

Ph: 7.3

Specific Gravity: Not Established

Viscosity: Not Applicable

Vapor Pressure: Not Applicable

Chemical: Green Liquid Less than 2%

Solubility in Water: Insoluble, Dispersible

Surfactant Less than 2%

Boiling Point: Not Established

Fibrous Medium: Greater than 96%

Melting Point: Not Applicable

## **STABILITY AND REACTIVITY**

General: HYDRO GREEN™ hydroseeding mulch is a stable product.

Hazardous Decomposition: Thermal decomposition may produce carbon monoxide and carbon dioxide.

## **DISPOSAL CONSIDERATIONS**

Disposal Guidance: Small quantities of HYDRO GREEN™ hydroseeding mulch can usually be disposed of at Municipal Landfill sites. No specific disposal treatment is required, but refer to state and local regulations for applicable site-specific requirements. Tonnage quantities of this product should not be landfilled. Such product should, if possible, be re-used for an appropriate application.

California Hazardous Waste Designation: California identifies substances with acute LD50's less than 5000 mg/kg as "hazardous wastes". HYDRO GREEN™ hydroseeding mulch is therefore not a "hazardous waste" if spilled in California. Refer to Regulatory Information for additional information.

## **TRANSPORT INFORMATION**

DOT Hazardous Material Classification: HYDRO GREEN™ hydroseeding mulch is not a U. S. Department of Transportation (DOT) Hazardous Material.

DOT Hazardous Substance Classification: HYDRO GREEN™ hydroseeding mulch is not a DOT Hazardous Substance.

International Transportation: HYDRO GREEN™ hydroseeding mulch has no U. N. Number, and is not regulated under international rail, highway, water, or air transport regulations.

## **OTHER INFORMATION**

National Fire Protection Association (NFPA)

Hazardous Materials Information Systems (HMIS):

Classification:

Red: (Flammability) - 1

Health - 0

Yellow: (Reactivity) - 0

Flammability - 1

Blue: (Acute Health) - 1\*

Reactivity - 0\*

\*Chronic Effects

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