

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

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: HYDRO GREEN PLUS™	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	Emergency Phone Number:
Reactivity 0	NU-WOOL CO. INC.
Flammability 1	616-669-0100
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 PLUS™ 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 PLUS™ 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 PLUS™ hydroseeding mulch is not absorbed through intact skin.

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

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

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

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

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

FIRST AID MEASURES

Inhalation: No special treatment is necessary since HYDRO GREEN PLUS™ 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.

Extinguishing Media: Water

Flash Point: Not Applicable

Special Fire Fighting Procedure: None

Flammable Limits LEL: 1

Unusual Fire & Explosion Hazards: None

Flammable Limits UEL: Not Applicable

ACCIDENTAL RELEASE MEASURES

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

OSHA: PEL* 15 mg/m³ total dust and 5 mg/m³ respirable dust *PEL = "Permissible Exposure Limit"

ACGIH: TLV** 5 mg/m³ (respirable) **TLV = "Threshold Limit Value"

Cal OSHA: PEL* 5 mg/m³

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 PLUS™ 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 PLUS™ 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 PLUS™ 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 PLUS™ hydroseeding mulch is not a U. S. Department of Transportation (DOT) Hazardous Material.

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

International Transportation: HYDRO GREEN PLUS™ 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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