



Health	1
Fire	0
Reactivity	0
Personal Protection	

Material Safety Data Sheet

McCown Woody Plant medium

1: Chemical Product and Company Identification

Product Name: McCown Woody Plant medium

Catalog Code: 30630054-1, 30630054-2, 30630054-3

CAS#: Mixture.

RTECS: Mixture.

TSCA: TSCA 8(b) inventory : Components were listed.

CI#: Not available.

Synonym: Not available.

Chemical Name: McCown Woody Plant medium

Chemical Formula: Mixture.

Contact information:

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Fax Number: 614-792-8685

Order Online: www.bio-world.com

E-mail : save@bio-world.com

In case of a chemical emergency, contact local hospital.

For non-emergency assistance, call: 1-800-860-9729

2: Composition and Information on Ingredients

Composition:

Name	CAS#	% by Weight
Ammonium nitrate	6484-52-2	
Ammonium sulfate	7783-20-2	
Calcium chloride anhydrous	10043-52-4	
Magnesium sulfate anhydrous	7487-88-9	
Potassium nitrate	7757-79-1	
Potassium phosphate monobasic	7778-77-0	
Boric acid	10043-35-3	
Cobalt chloride.6H2O	7791-13-1	-
Cupric sulfate anhydrous	7758-98-7	
Ferrous sulfate.7H2O	7782-63-0	
Manganese sulfate.H2O	10034-96-5	
Molybdic acid .sodium salt.2H2O	None	
Na2EDTA.2H2O	6381-92-6	
Potassium iodide	7681-11-0	
Zinc sulfate.7H2O	7446-20-0	

Toxicological Data on Ingredients:

Not available.

3: Hazards Identification

Potential Acute Health Effects: Irritant. Irritating to eyes, respiratory system and skin. Target organ(s): Blood. Central nervous system.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

4: First Aid Measures

Eye Contact: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Skin Contact: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

Serious Skin Contact: Not available.

Inhalation: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Serious Inhalation: Not available.

Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Serious Ingestion: Not available.

5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Product of Combustion: Nitrogen oxides, Ammonia.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Dry chemical powder.

LARGE FIRE: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

6: Accidental Release Measures

Small Spill: Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7: Handling and Storage

Precautions: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage: Store at 2-8°C

8: Exposure Controls/Personal Protection

Engineering Controls: Safety shower and eye bath. Mechanical exhaust required.

Personal Protection: Respiratory : Government approved respirator.

Hand: Chemical resistant gloves.

Eye: Safety glasses.

Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Boots. Dust respirator. Gloves.

Exposure Limits: Not available.

9: Physical and Chemical Properties

Physical State and Appearance: Solid (Powder)

Odor: Not available.

Taste: Not available.

Molecular Weight: Not available.

Color: Not available.

pH(1% soln/water): Not available.

Boiling Point: Not available.

Melting Point: Not available.

Critical Temperature: Not available.

Specific Gravity: Not available.

Vapour Pressure: Not available.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Not available.

10: Stability and Reactivity Data

Stability: Stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Strong reducing agents, Strong acids, Finely powdered metals.

Corrosivity: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

11: Toxicological Information

Routes of Entry: Skin contact. Eye contact. Ingestion. Inhalation.

Toxicity to Animals:

Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Inhalation: Material is irritating to mucous membranes and upper respiratory tract.
Multiple Routes: Causes eye and skin irritation. May be harmful by inhalation, ingestion, or skin absorption.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Product of Biodegradation: Not available.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

13: Disposal Considerations

Waste Disposal: Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14: Transport Information

DOT Classification: Class: 5.1

Identification: UN#: 1477

Packing Group: II

Hazard Label: Oxidizer

Special Provisions for Transport: Not available.

15: Other Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory : Ammonium nitrate; Ammonium sulfate; Calcium chloride anhydrous; Magnesium sulfate anhydrous; Potassium nitrate; Potassium phosphate monobasic; Boric acid; Cupric sulfate anhydrous; Potassium iodide

Other Regulations: EU ADDITIONAL CLASSIFICATION

Symbol of Danger: Xi

Indication of Danger: Irritant.

R: 36/37/38

Risk Statements: Irritating to eyes, respiratory system and skin.

S: 26-36

Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

Other Classifications:

WHMIS(Canada): Not available.

DSCL(EEC): Not available.

HMIS(U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection:

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment: Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety goggles.

16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 06/03/2007 12:14:45 PM

Last Updated: 06/01/2009 4:39:06 PM

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