



Lilly Miller Multicote
18-6-12

MATERIAL SAFETY DATA SHEET

Date Issued: 7/1/2002

SECTION I - PRODUCT IDENTIFICATION

Product trade name: Multicote (8) 18-6-12

Chemical Name: Polymer coated NPK fertilizer

Hazard rating:

Health: Moderate
Flammability: None
Reactivity: Low

Components:

Ammonium nitrate (CAS No. 6484-52-2)
Potassium nitrate (CAS No. 7757-79-1)
Potassium sulfate (CAS No. 7778-80-5)
Mono-ammonium phosphate (CAS No. 7722-76-1)
Magnesium sulfate (CAS No. 7487-88-9)

SECTION II - HAZARDOUS INGREDIENTS

Ammonium nitrate (CAS No. 6484-52-2) 7.2%
Potassium nitrate (CAS No. 7757-79-1) 10%

SECTION III - PHYSICAL DATA

Appearance: Yellow-brown granules
Decomposition temp.: NPK >130°C
coating >200°C
Melting point: decomposes
Bulk density: approx. 1.0 kg/liter
Boiling point: decomposes
Vapor pressure (mm Hg): Below 1
Evaporation rate: N/A
Solubility in water: Dissolves
very slowly;
polymer
coating
insoluble

pH (of saturated water solution after 72 hours): 6.0-8.0

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SECTION IV - HEALTH HAZARD INFORMATION

Entry route:

Inhalation: N/A
Ingesting: N/A
Skin: N/A

Health hazards (acute & chronic):

Oral ingestion: Moderate toxicity.
Acute LD50: Unknown
Eye contact: N/A
Skin contact: Non-hazardous
Skin adsorption: N/A
Inhalation: N/A
Carcinogenicity: NTP: Negative
IARC Monographs: Negative
OSHA Regulated: Negative

Signs and symptoms of exposure: None

Medical conditions generally aggravated by exposure: None known

Emergency and first aid procedures:

Oral ingestion: Give large quantities of water and induce vomiting.
Seek medical attention.
Eye contact: Flush immediately and continuously with flowing
water for at least 30 minutes. Seek medical
consultation if irritation persists.
Skin contact: Wash with soap and.
Inhalation: N/A.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

Flash point (method used): Above 150°C, TCC
Extinguishing media: Non-flammable
Special fire-fighting procedure: Self contained air supply to
protect from nitrogen
oxides, ammonia and CN
gas

Unusual fire and explosion hazards: Noxious fumes may form. Nitrogen oxides, ammonia and
CN gas.

Flammable limits: LEL - N/A ; UEL - N/A

SECTION VI - REACTIVITY DATA

Stability: Stable in normal use and storage
Incompatibility: NaNO_2 , P_2Cl_5 , nitroaryl perchlorate
Hazard polymerization: Will not occur.
Conditions to avoid: Fire
Decomposition by-products: Nitrogen oxides and CN
gas

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: Contain material. Pick up material and
store in plastic bags, away from combustibles.

Waste disposal method: Dispose of in an approved landfill in accordance state, federal and
local regulations.

Precautions to be taken in handling and storage: Keep out of reach of children.

Other precautions: Avoid breathing dusts.

SECTION VIII - CONTROL MEASURES

Respiratory protection: None normally needed.
Use dust mask if conditions warrant.
Ventilation: Recommended to control dust.
Protective gloves: Optional.
Eye protection: Use safety glasses or goggles if dusty environment.
Other protective clothing or equipment: Optional

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