Educational Innovations

MEMBER: 60









MSDS MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION TRADEMARK

SOIL MOISTIM

Water retention aid

CAS#

71042-87-0

SYNONYMS

None

CHEMICAL FAMILY

Crosslinked modified acrylic polymer

MOLECULAR FORMULA

Polymer

MOLECULAR WGT.

Polymer

WARNING

SPILLS ARE SLIPPERY WHEN WET

INGREDIENTS

INFORMATION

SOIL MOIST contains polymer. No permissible exposure limits have been established.

HEALTH

SOIL MOIST is a chemically neutral material. Prevent dust excape in the air, DO NOT

breathe dust. A NIOSH, approved respirator for nuisance dust should be worn. After use, in horticulture

work, normal hygenic practice should be followed.

FIRE AND **EXPLOSION** FLASH POINT

Not Applicable

HAZARD

INFORMATION

FLAMMABLE LIMITS

Not Applicable

FIRE FIGHTING

Use water, carbon dioxide or dry chemicals to extinguish fires. Wear self-contained, positive pressure breathing apparatus and full fire fighting protective clothing. Dust may be explosive if mixed with air in

critical proportions and in the presence of a source of ignition.

REACTIVITY

DATA

STABILITY

CONDITIONS TO AVOID

None Known

POLYMERIZATION CONDITIONS TO AVOID

Will Not Occur None Known

INCOMPATIBLE

MATERIALS

Strong oxidizing agents

HAZARDOUS

DECOMPOSITION

PRODUCTS

Thermal decomposition or combustion may produce carbon monoxide

and/or oxides of nitrogen

PHYSICAL **PROPERTIES**

SPILL

PROCEDURES

APPEARANCE

AND ODOR

Granular free flowing white material with typical odor

BOILING POINT

Not Applicable Not Applicable

MELTING POINT VAPOR PRESSURE SPECIFIC GRAVITY

Not Applicable Not Applicable

VAPOR DENSITY % VOLATILES

Not Applicable Approx. 4-10 % (H2O)

disposal container. Disposal must be made in accordance with applicable governmental regulations.

Not Applicable

SOLUBILITY IN

Swells (does not dissolve). pH of aqueous system approx. 6.4 - 7.0

WATER

Spilled material is slippery when wet. Remove sources of ignition. Sweep up spills and place in a waste

SPECIAL Maintain good housekeeping to control dust accumulations. PRECAUTIONS DO NOT ALLOW MATERIAL TO ENTER DRAINS.

NOTE: This information is given without any warranty or representation. We do not assume any legal responsibility for same. It is offered solely for your consideration, investigation and verification. Before using any product read its label.

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TECHNICAL DATA

SOIL MOISTTM

Material:

Crosslinked Modified Acrylic Polymer

Granular Size:

1-2 mm (small granular), 2-4 mm (coarse granular)

Density (gr/ml):

.729

Absorption (gr/gr)

Deionized Water

418

*Tap Water

238

**Fertilizer Solution

216

Specific Gravity

1.07

Time to achieve 50% Absorption:

19 minutes

Time to achieve 100% Absorption:

56 minutes

SOIL MOISTTM FINES

Material:

Crosslinked Modified Acrylic Polymer

Granular Size:

0.05 - 0.5 mm

Density (gr/ml):

.902

Absorption

Deionized Water

334-350

*Tap Water

115-130

Specific Gravity

1.08

Time to achieve 50% Absorption:

14 minutes

Time to achieve 100% Absorption:

40 minutes

**Fertilizer Solution Contains 210 ppm - 220 ppm of Nitrogen

Soil Moist Hydro

0.1 - 0.7 mm

Soil Moist Seed Coat

0.05 - 0.5 mm Graphite Coated

^{*}Salt as NaCl, tap water rated at 160 mg/l