

**Midwest Industrial Supply, Inc.**  
**P.O. Box 8431**  
**Canton, OH 44711**

Emergency Phone Number: 330-456-3121

**SOIL~SEMENT<sup>®</sup>**

Dust and Erosion Control Agent

***MATERIAL SAFETY DATA SHEET***

---

Please replace any other MSDS for this product with the attached MSDS.

**PRODUCT:** SOIL-SEMENT<sup>®</sup> dust and erosion control agent

**MSDS NUMBER:** 2000

**UPDATED EFFECTIVE DATE:** October 20, 2001

**PREVIOUS VERSION MSDS NUMBER:** 2000

**PREVIOUS VERSION DATE:** any previous version dates of MSDS number 2000 SOIL-SEMENT<sup>®</sup>

**REASON FOR UPDATE:** Updating date and review. No formulation or regulatory changes.

**Midwest Industrial Supply, Inc.**  
**P.O. Box 8431**  
**Canton, OH 44711**

Emergency Phone Number: 330-456-3121

# **SOIL~SEMENT®**

Dust and Erosion Control Agent

## **MATERIAL SAFETY DATA SHEET**

### **SECTION I -- IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

**TRADE NAME:** SOIL-SEMENT®  
**CHEMICAL NAME:** POLYMER EMULSION  
**SYNONYMS:** DUST RETARDANT  
**CHEMICAL FAMILY:** N/A  
**MOLECULAR WEIGHT:** N/A  
**FORMULA:** AQUEOUS ACRYLIC VINYL ACETATE POLYMER EMULSION  
**CAS REGISTRY NO.:** PRODUCT A BLEND - NO NUMBER ASSIGNED

### **SECTION II -- COMPOSITION/INFORMATION ON INGREDIENTS**

<u>NAME</u>	<u>CAS REG NO.</u>	<u>WT. %</u>
Acrylic & Vinyl Acetate Polymer	Non-hazardous	5-50
Water	7732-18-5	95-50

### **SECTION III -- HAZARDS IDENTIFICATION**

Acrylic & Polyvinyl Acetate Polymer	Non-hazardous
Water	Non-hazardous

### **SECTION IV -- FIRST AID MEASURES**

**EYES:** Flush eyes with flowing water at least 15 minutes, get medical attention.  
**INHALATION:** Move subject to fresh air.  
**SKIN:** Flush with large amount of water or wash with soap and water.  
**INGESTION:** Give water to drink. Call a physician.

**NEVER GIVE FLUIDS OR INDUCE VOMITING.**

**IF PATIENT IS UNCONSCIOUS OR HAVING CONVULSIONS.**

**Midwest Industrial Supply, Inc.**  
**P.O. Box 8431**  
**Canton, OH 44711**

Emergency Phone Number: 330-456-3121

**SOIL ~ SEMENT<sup>®</sup>**

Dust and Erosion Control Agent

**MATERIAL SAFETY DATA SHEET**

**SECTION V -- FIRE FIGHTING MEASURES**

**FLASH POINT (TEST METHOD):** Non-Combustible  
**AUTOIGNITION TEMPERATURE:** N/A  
**EXTINGUISHING MEDIUM:** N/A  
**SPECIAL FIREFIGHTING PROCEDURES:** N/A  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Material can splatter above 212°F. Dried polymer film can burn but will not support combustion.

**SECTION VI - ACCIDENTAL RELEASE MEASURES**

**SPILL AND LEAK PROCEDURES:**  
Dike and control spill. Transfer liquid to containers for recovery or disposal.  
Keep spills out of sewers and open bodies of water.

**SECTION VII -- HANDLING AND STORAGE**

**STORAGE:** Keep in a cool, dry, ventilated storage area and in closed containers. Avoid freezing temperatures. Minimize contact with the air to prevent microorganism contamination and reduce the formation of skins on the surface.  
**HANDLING:** Handle in a well-ventilated workspace.

**SECTION VIII -- EXPOSURE CONTROL/PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:** None required if good ventilation is maintained.  
**VENTILATION:** Mechanical exhaust at point of contaminant.  
**EYE PROTECTION:** Chemical splash goggles recommended.  
**PROTECTIVE CLOTHING:** Impervious gloves recommended.  
**OTHER:** Under normal handling conditions, the risk of exposure to residual monomer is negligible.

Midwest Industrial Supply, Inc.  
P.O. Box 8431  
Canton, OH 44711

Emergency Phone Number: 330-456-3121

# SOIL ~ SEMENT®

Dust and Erosion Control Agent

## MATERIAL SAFETY DATA SHEET

### SECTION IX -- PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING/MELTING POINT @ 760 mm Hg:</b>	212°F
<b>VAPOR PRESSURE mm Hg @ 20° C:</b>	17
<b>SPECIFIC GRAVITY OR BULK DENSITY:</b>	1.01 to 1.15
<b>SOLUBILITY IN WATER:</b>	Dilutable
<b>APPEARANCE:</b>	Milky White Liquid
<b>ODOR:</b>	Characteristic Acrylic odor
<b>pH:</b>	4.0 to 9.5

### SECTION X -- STABILITY AND REACTIVITY

<b>STABILITY:</b>	Stable
<b>CHEMICAL INCOMPATIBILITY:</b>	No hazardous reactions are expected to occur under normal industrial conditions.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide and water.
<b>HAZARDOUS POLYMERIZATION:</b>	Does not occur
<b>CONDITIONS TO AVOID:</b>	N/A
<b>CORROSIVE TO METAL:</b>	No
<b>OXIDIZER:</b>	No

### SECTION XI -- TOXICOLOGICAL INFORMATION

#### EFFECTS OF OVEREXPOSURE

<b>INHALATION:</b>	Vapor from stored, undiluted product can cause headache and nausea.
<b>SKIN:</b>	Stored, undiluted product is slightly irritating to skin.
<b>EYES:</b>	Slightly irritating to eyes.
<b>INGESTION:</b>	May be irritating to digestive tract.

<u>NAME</u>	<u>OSHA</u>		<u>ACGIH</u>	
	<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>

**Midwest Industrial Supply, Inc.**  
**P.O. Box 8431**  
**Canton, OH 44711**

**SOIL-SEMENT®**

Dust and Erosion Control Agent

**MATERIAL SAFETY DATA SHEET**

Emergency Phone Number: 330-456-3121

Acrylic & polyvinyl Acetate Polymer	None	None	None	None
Water	None	None		None

**SECTION XII -- ECOLOGICAL INFORMATION**

Animal toxicity studies on blended SOIL-SEMENT® have not been carried out because we believe the fish toxicity studies done on the blend demonstrate it is as non-toxic as the individual emulsions which go into the blend. TABLE #1 gives the results of our fish toxicity tests.

In summary, these data show that the LC<sub>50</sub> of SOIL-SEMENT® on goldfish is somewhere above 12,500 ppm. This is extremely low toxicity, especially in view of the legal requirement that chemicals must be labeled “toxic to fish” only if their LC<sub>50</sub> is less than 1.0 ppm.

**TABLE I**  
**FISH TOXICITY STUDIES**

EMULSION NUMBER	TYPE OF FISH	HOURS	LC <sub>50</sub> PPM
C	Rainbow Trout	24	10,000
C	Rainbow Trout	96	8,950
C	Bluegill Sunfish	24	10,000
C	Bluegill Sunfish	96	5,640
C	Goldfish	24	4,200
H	Goldfish	24	7,500
G	Goldfish	24	10,000
D	Goldfish	24	13,400
F	Goldfish	24	13,400
SOIL-SEMENT®	Goldfish	24	12,500 - 25,000
SOIL-SEMENT®	Goldfish	48	12,500 - 25,000
SOIL-SEMENT®	Goldfish	72	12,500 - 20,000
B	Goldfish	24	24,000
E	Goldfish	24	24,000

The 48 hour LC<sub>50</sub> for Daphnia Magna based on nominal test concentrations and mortality at the end of testing was calculated to be 3,482.8 parts per million (ppm).

**SECTION XIII -- DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:**

**Midwest Industrial Supply, Inc.**  
**P.O. Box 8431**  
**Canton, OH 44711**

Emergency Phone Number: 330-456-3121

# **SOIL~SEMENT®**

Dust and Erosion Control Agent

## **MATERIAL SAFETY DATA SHEET**

Coagulate the emulsion by the stepwise addition of ferric chloride and lime or the addition of sand or other absorbent material. Remove the clear supernatant liquid and flush to a chemical sewer or landfill. Incinerate solids and the contaminated diking material according to local, state and federal regulations.

### **CONTAINER DISPOSAL:**

Do not re-use containers. Do not weld on metal containers.

## **SECTION XIV -- TRANSPORTATION INFORMATION**

**D.O.T. PROPER SHIPPING NAME (49CFR172.101):** None  
**HAZARDOUS SUBSTANCE (40CFR116):** N/A  
**REPORTABLE QUANTITY (RQ):** N/A  
**D.O.T. HAZARD CLASSIFICATION (49CFR172.101):** Non-regulated  
**D.O.T. PLACARDS REQUIRED:** None  
**POISON CONSTITUENT (49CFR173.343):** N/A  
**BILL OF LADING DESCRIPTION:** Liquid plastic, NOS  
**C NO.:** N/A  
**UN/NA CODE:** N/A

## **SECTION XV-- REGULATORY INFORMATION**

**SOIL-SEMENT® is not a restricted article according to the Department of Transportation and International Air Transport Association regulations.**

**EPA SARA Title III hazard class:** None  
**OSHA HCS hazard class:** Non-OSHA hazardous (29CFR1910.1200)  
**EPA SARA Title III Section 313 (40CFR372)**

**Toxic Chemicals present in quantities greater than the "de minimus" level are:** None

This product is not a "controlled product" under the Canadian Workplace Hazardous Material Information System (WHMIS)

**Midwest Industrial Supply, Inc.**  
**P.O. Box 8431**  
**Canton, OH 44711**

Emergency Phone Number: 330-456-3121

**SOIL ~ SEMENT<sup>®</sup>**

Dust and Erosion Control Agent

***MATERIAL SAFETY DATA SHEET***

**SECTION XVI -- OTHER INFORMATION**

**ABBREVIATIONS AND SYMBOLS:**

N.D. - Not Determined

< - LESS THAN

N.A. - Not Applicable

> - MORE THAN

N.T. - Not Tested