



**AMERICAN SOIL TECHNOLOGIES, INC.**

# SIRCLE SAVER SACK™

## MATERIAL SAFETY DATA

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MSDS No: 1120

Date: 7/01/05

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	Sircle Saver Sack
SYNONYMS:	None
CHEMICAL FAMILY:	Sodium Acrylate/Acrylamide Copolymer
MOLECULAR FORMULA:	Mixture
MOLECULAR WEIGHT:	Mixture
MANUFACTURER:	Exclusively for American Soil Technologies, Inc. 12224 Montague Street Pacoima CA 91331 telephone No. 818 899 4686, by H.R.E. Enterprises Inc. Benton City, WA
PRODUCT INFORMATION:	Call (818) 899 4686
EMERGENCY PHONE:	For emergencies (800) 798 7645

### 2. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION Serial Number 0715

The final components of this product have been reviewed and are confirmed to be listed on the US Toxic Substance Control Act (TSCA) chemical substances inventory.

HAZARDOUS COMPONENTS (specific Chemical Identity; Common Name(s))

	CAS. NO	%	Other Limits Recommended	REFERENCE
Polyacrylate Polymer	25085-02-3	90	Irritant (eye)	OSHA
Inerts		10		

### 3. PHYSICAL/CHEMICAL CHARACTERISTIC

Boiling Point N/A; Specific Gravity (H2O=1); Bulk Density 44lbs/ft3; Vapor Pressure (mm Hg.) (not established)	
Melting Point (not established)	Vapor Density (AIR=1) not established; Evaporation Rate butyl acetate=1 <1
Appearance and Odor: Off white loaf. Mild acrylic odor	Solubility in water; Slow release solubility in water

#### POTENTIAL HEALTH EFFECTS

The product is a anionic polyacrylamides which exhibit a low toxicological profile : there have been no signs of acute oral toxicity and there is no evidence for marked irritative properties; no mutagenic potency was found. With respect to the environmental compatibility of the product, the data indicates some slight toxic effects on aquatic organisms. However, under realistic environmental exposure conditions no critical deleterious effects are expected. In standard laboratory test systems biodegradation could not be observed. Nevertheless, due to results of the latest research there is sufficient and increasing evidence that polyacrylamides do not constitute persistent, non-degradable man-made polymers. Therefore, the product is regarded as essentially compatible to the environment, especially taking into account the very low dosage levels used for application.

## 4. FIRST AID MEASURES

- Eyes: Rinse immediately with plenty of water for 15 minutes.
- Skin: Remove contaminated clothing and shoes without delay. Wash immediately with plenty of water. Do not reuse contaminated clothing without laundering. Get medical attention if pain or irritation persists after washing or if signs and symptoms of overexposure appear.
- Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms.
- Ingestion: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

## 5. FIRE and EXPLOSION HAZARD DATA

Flash Point (Method Used) > 400C (COC) Flammable Limit LEL NE UEL NE

Extinguishing Media Any available media; CO2, dry chemical

Special Fire Fighting Procedures None. Normal fighting procedures require self-contained air supplied breathing apparatus and protective gear for any hostile fire

Unusual Fire and Explosion Hazards None Known. Slippery conditions are created with spilled material.

## 6. STABILITY AND REACTIVITY

Stability Data:	Stable
Conditions to Avoid:	None known Will not occur
Incompatibility/Materials to Avoid:	No specific incompatibility
Hazardous Decomposition Products:	None known

## 7. HEALTH HAZARD DATA

This material is not classified as dangerous for the environment.

Routes of entry	Inhalation: Yes    Skin: No    Ingestion: No
Health Hazards (Acute and Chronic)	Contact with eyes and /or prolonged/repeated skin contact may cause irritation
Carcinogenicity	NTP: No    IARC: No    OSHA: No
Signs and Symptoms of Exposure	Reddening, swelling of affected area with possible itching, burning or other discomfort.
Medical Conditions Generally Aggravated by Exposure	Existing cuts, rashes, allergies or other sensitive areas.
Emergency and First Aid Procedure	

Eyes and skin: flush thoroughly with water. Inhalation: move to fresh air.  
Ingestion: if ill effects occur, seek medical attention as with any prolonged discomfort discoloration.

## 8. PRECAUTIONS FOR HANDLING AND STORAGE

Handling and Storage. Handle as an irritant. Do not get in eyes. Avoid prolonged/repeated skin contact. Wash thoroughly after handling. Prolonged/repeated skin contact may cause irritation. Ingestion: Do not ingest

Steps in Case of Released/Spilled. Contain. Thoroughly collect all spilled material. Flush smaller residuals to the drain for normal biological treatment

Waste Disposal Method. Incinerate or other approved method according to local, state and federal regulations. Dispose of unadulterated product as a non- hazardous waste.

## 9. CONTROL MEASURES

Respiratory Protection. For dusty conditions respirators are recommended.

Ventilation Local Exhaust. If needed to control dusty conditions. Special Not required.

Mechanical Recommended. Other Ventilation Not required

Protective Gloves. Impervious neoprene or rubber. Eye Protection. Safety glasses.

Other Protective Clothing or Equipment. Shoes, apron or other as needed to prevent skin contact.

Work/Hygienic Practices. Wash thoroughly after handling.