



DTR Scientific, LLC  
6701 McDivitt Dr. Suite B  
Bakersfield, CA 93313 USA  
Office (661) 834-9176 Fax (661) 834-9177

## MATERIAL SAFETY DATA SHEET

01/01/11

• **EMERGENCY PHONE NUMBER**

(661) 834-9176

• **IDENTIFICATION OF PRODUCT:**

"PeneGator Plus, Soil Penetrant"

• **PRODCUT DESCRIPTION:**

Anionic acrylamide copolymer

\*Note: not considered hazardous under Federal Regulation 29 CFR 1910.1200\*

• **HAZARDS IDENTIFICATION:**

Aqueous solution renders surfaces **extremely slippery.**

HMIS & NFPA Ratings:

	HMIS	NFPA
Health	1	1
Flammability	0	0
Reactivity	0	0
Special	to be determined by user.	

• **FIRST AID MEASURES:**

Inhalation:	No hazards which require first aid measures.
Skin Contact:	Wash with water and soap as precaution. In case of skin irritation, consult a physician
Eye Contact:	Rinse thoroughly with plenty of water. In case of persistent eye irritation consult a physician.
Ingestion:	No hazards which require first aid measures.

• **FIRE-FIGHTING METHODS:**

Suitable extinguishing media:	Water, water spray, foam, carbon dioxide (CO2) dry powder
Special fire fighting Precautions:	Aqueous solution renders surfaces <b><u>extremely slippery</u></b>
Special protective equipment:	None

**• ACCIDENTAL RELEASE MEASURES:**

Personal precautions: None

Environmental precautions: None

Clean up method: Sprinkle sand/dirt over product and flush away with water until no longer slippery.

**• HANDLING AND STORAGE:**

Handling: As good industrial hygiene dictates, avoid contact with skin and eyes. Wash hands thoroughly before breaks and at the end of the day.

Storage: Keep in a cool (0-35°C) place.

**• EXPOSURE CONTROLS;**

Occupational Exposure limits: None

Engineering methods to Reduce exposure: Natural ventilation is adequate in.

**• PERSONAL PROTECTION EQUIPMENT:**

Respiratory protection: No special protective equipment required.

Hand protection: Rubber gloves

Eye protection: Safety glasses with side shields. Do not wear contact lenses.

Skin and body protection: Chemical resistant apron or thick clothing/protective suit if splashing or repeated contact with solution is likely.

Hygiene measures: Wash hands before breaks, and at the end of workday. Handle in accordance with good industrial hygiene.

**• PHYSICAL AND CHEMICAL PROPERTIES:**

Form: Viscous liquid

Color: None

Odor: None

pH: 4-9 @ 5g/1 for the product series. See technical data for specific value.

Melting point (°C): Not applicable.

Flash point (°C): Not applicable.

Auto ignition temperature (°C): Not applicable.

Vapor pressure (mmHg): Not applicable.

**•STABILITY AND REACTIVITY;**

Stability:	Product is stable, no hazardous polymerization will occur.
Materials to avoid:	Oxidizing agents may cause exothermic reactions (reactions which release heat)
Hazardous decomposition Products:	Thermal decomposition may produce: nitrogen oxides (NOx), carbon dioxides.

**•TOXICOLOGICAL INFORMATION:**

Acute toxicity:	
a) Oral:	LD50/oral/rat> 5000 mg/kg
b) Dermal:	The results of testing on rabbits showed this material to be non-toxic even at high dose levels.
Irritation:	
a) Skin:	The results of testing on rabbits showed this material to be non-irritating to the skin.
b) Eyes:	Testing conducted according to the Draize technique showed The material produces no corneal or iridial effects, and only Slightly transitory conjunctival effects similar to those which all granular materials have on conjunctivae.
c) Sensitization:	The results on testing on Guinea Pigs showed this material to be non-sensitizing.
d) Chronic toxicity:	A two year feeding study on rats did not reveal adverse health effects. A one year feeding study on dogs did not reveal adverse health effects.

**•ECOLOGICAL INFORMATION:**

Ecotoxicity:	The product is not considered to be toxic to aquatic organisms, or harmful to the aquatic environment. However, as with all chemical products, do not introduce directly into the environment.
a) Fish:	LC50/Fathead minnows/96 hrs> 1000mg/1
b) Algae:	EC50/Selenastrum capricornutum/72 hrs> 500mg/1
Bioaccumulation:	This product is not expected to bioaccumulate.
Persistence/degradability:	Not readily biodegradable.

**•DISPOSAL CONSIDERATIONS:**

Waste from residues or Unused products:	Bury in landfill in accordance with all applicable regulations.
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Contaminated Packaging:

Any disposal practice must be in compliance with all applicable regulations.

•**TRANSPORT INFORMATION:**

Not regulated by the Department of Transportation.

•**REGULATORY INFORMATION:**

The product is not considered hazardous under Federal Regulation 29 CFR 1910.1200.

All components of this product are on TSCA and DSL inventories.

RCRA status:

**Not a hazardous waste.**

Hazardous waste number:

Not applicable.

Reportable quantity  
(40CFR 302):

Not applicable.

Threshold planning  
Quantity (40CFR 355):

Not applicable.

Toxic chemical release  
Reporting (40CFR 302):

Not applicable.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for the safe handling, use, processing, storage, transportation disposal, and release, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, or processes unless specified in the text.