MATERIAL SAFETY DATA SHEET

Acute Health = 0 Fire = 1 Reactivity = 0

Hazard Rating: Least = 0, Slight = 1, Moderate = 2, High = 3

SECTION 1 Product Identity	
PRODUCT NAME: **PetroGuard™**	DESCRIPTION: ***Polymeric Hyper-Immobilizing Deactivating Powder***
MANUFACTURER: Guardian Environmental Technologies, Inc.	TELEPHONE NUMBER: (860)350 2200 (860) 350 3776 Fax www.guardianenvironmental.com
ADDRESS: Box 2344 New Preston, CT 06777	DATE 10/16/2008

SECTION 2 Product Components	
COMPOSITION: Polymer blend	
INGREDIENTS:	PERCENT:
1. Cross-linked block copolymers	>98%
2. Inert materials	<1%
3. Antioxidant/Stabilizers	<1%

SECTION 2A Hazardous Ingredients
The components of this product are not hazardous under OSHA hazard communication (29CFR 1910 1200).

SECTION 2B Summary of Hazards
No acute oral LD50, dermal LD50 inhalation LC50 Based on information available to GET, components of 1., 2., and 3. of this product are not hazardous under OSHA hazard communication (29 CFR 1910.1200)

SECTION 3 Health Information	
The health effects noted are consistent with the OSHA hazard communication (29CFR 1910.1200).	
EYE CONTACT: The product is practically non-irritating to the eyes.	SKIN CONTACT: This product is non-irritating to the skin.
INHALATION: The product is not expected to cause irritation to the nose, throat or respiratory tract.	INGESTION: The product is considered to have a low order of acute oral toxicity.
SIGNS AND SYMPTOMS: Irritation as noted above	AGGRAVATED MEDICAL SYSTEMS: Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.

SECTION 4 Occupational Exposure Limits
None established other than those for total dust (15 milligram per cubic meter), and reportable dust (5 milligram per cubic meter) by OSHA standards.

SECTION 5 Emergency and First Aid Procedures	
EYE CONTACT: Flush with water. If persistent irritation occurs, get medical attention.	SKIN CONTACT: Wash with soap and water. If product is molten, treat as for ordinary burns.
INHALATION: Abandon dusty environment to fresh air.	INGESTION: No procedures are ordinarily required.

SECTION 6 Physical Data		
BOILING POINT: Not applicable	SPECIFIC GRAVITY: .91 g/cc	VAPOR PRESSURE: Not applicable
MELTING POINT: Not applicable	SOLUBILITY: Negligible (in water)	VAPOR DENSITY: Not applicable
APPEARANCE/ODOR: Solid/particulate, essentially odorless	EVAPORATION RATE: Not applicable	

SECTION 7 Fire and Explosion Hazards	
FLASH POINT & METHOD: Not applicable	FLAMMABLE LIMITS /% VOLUME IN AIR: Upper Not applicable Lower: Not applicable
EXTINGUISHING MEDIA: Water, foam, dry chemical or CO2	UNUSUAL FIRE AND EXPLOSION HAZARDS Contact with strong oxidizers may result in fire.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS:

Product will not burn unless preheated. Do not enter confined fire space without full bunker gear (helmet and face shield, bunker coats, gloves, and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

SECTION 8 Reactivity	
STABILITY: Stable	HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS AND MATERIALS TO AVOID:

Avoid contact with strong oxidizing agents such as ozone, liquid oxygen, chlorine, permanganate, etc. Although this is not a safety hazard, such contact may deteriorate or otherwise decrease product's performance ability.

HAZARDOUS DECOMPOSITION PRODUCTS:

Although highly dependent on temperature and environmental conditions, a variety of thermal decomposition products may be present if the product is overheated, is smoldering or catches fire. These range from simple hydrocarbons (such as methane and propane) to toxic/irritating vapors such as carbon monoxide and dioxide, acrolein, aldehydes and ketones.

DISPOSAL CONSIDERATIONS

If this material becomes a waste, it would not be a hazardous waste by RCRA criteria (40 CFR 2 61). Place in an appropriate disposal facility in compliance with local regulations.

SECTION 9 Employee Protection

RESPIRATORY PROTECTION:

A NIOSH approved particulate filter respirator is recommended if excessive dust is generated

PROTECTIVE CLOTHING:

Safety glasses should be worn when working with this product.

ADDITIONAL PROTECTIVE MEASURES:

Ventilation is required to control dust concentration in air

SECTION 10 Environmental Protection

SPILL OR LEAK PROCEDURES:

Shoveling, sweeping, or an industrial vacuum can remove spilled product. Avoid generating dust clouds. Put product into closed container for disposal or reclamation.

SECTION 11 Special Precautions

Product can accumulate static charge during transport such as through handling pipes or ducts, and/or processing. Equipment should provide a means for dissipating any charges that may develop. Reducing the velocity of transport will reduce charging. Static charge buildup can be a potential fire hazard when charged product is in the presence of volatiles.

Practice good housekeeping. Do not allow product to accumulate in processing area.

This product may cause mechanical irritation to the eyes, skin and respiratory system. In case of contact, flush eyes with water and wash skin with soap and water. If inhaled and breathing becomes difficult, abandon dusty environment to fresh air. If discomfort persists, contact a physician.

Do not allow the temperature to exceed 550°F. Product may soften and block at these temperatures, making its intended use difficult.

Avoid vapors from heated product. Adequate ventilation and/or engineering controls must be employed at high temperatures to prevent exposure to potentially irritating/toxic fumes.

SECTION 12 Transportation Requirements

Virgin product is not hazardous under D.O.T. regulations. Product will assume characteristics of materials absorbed, which will determine handling and disposal procedures.

For spent product, follow federal, state and local regulations.

SECTION 12 Other Regulatory Controls

The components of this product are listed on the EPA/ TSCA and FDA inventory of chemical substances.

The information contained herein is based on the data available to Guardian Environmental Technologies and is believed to be accurate and correct. Guardian Environmental Technologies, however, makes no warranty, expressed or implied, regarding the accuracy of those data or the results to be obtained from the use thereof. Guardian Environmental Technologies assumes no responsibility for injury from the use of the product described herein.