

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (as Used on Label and List)

PRA[®] Petroleum Remediation Additive

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I—Manufacturer's Information

Manufacturer's name

PLUTUS Environmental Technologies, Inc.

Address (Number, Street, City, State and ZIP Code)

807 Mize Lane

Sevierville, Tennessee 37862-3027

USA

Emergency Telephone Number

++1 (865) 453-0060 ++1 (865) 453-0060

Telephone Number for Information

++1 (865) 453-0060

Date Prepared

Updated: 01 September 2007

Signature of Preparer (optional)

Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))

OSHA PEL

ACGIH TLV

Other Limits
Recommended

% (optional)

None detected; Proprietary blend of surfactants and organic solvents in aqueous solution; 5 ppm Orcoacid Orloffast Turq for identification. Contains no HAP, ODC or NP surfactants.

Section III—Physical/Chemical Characteristics

Boiling Point

H₂O = 100°C

Specific Gravity (H₂O = 1)

1.01 to 1.03

Vapor Pressure (mm Hg)

N/A

Melting Point

N/A

Vapor Density (AIR = 1)

N/A

Evaporation Rate (Butyl Acetate = 1)

N/A

Solubility in Water
Infinite

Appearance and Odor
Clear Color; None to Light Citrus odor.

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used)

NONE

Flammable Limits

N/A

LEL

N/A

UEL

N/A

Extinguishing Media
N/A

Special Fire Fighting Procedures
N/A

Unusual Fire and Explosion Hazards
None Known

Section V—Reactivity Data

Stability	Unstable	Conditions to Avoid	None known, unless water is evaporated; if all aqueous phase is evaporated, components will completely volatilize.
	Stable	X	

Incompatibility (*Materials to Avoid*) **Hydrocarbon-based substances; aluminum; silicone**

Hazardous Decomposition or Byproducts **None known**

Hazardous Polymerization	May Occur	Conditions to Avoid	N/A
	Will Not Occur	X	

Section VI—Health Hazard Data

Route(s) of Entry **NO** Inhalation? **NO** Skin? **NO** Ingestion? **May cause diarrhea**

Health Hazards (*Acute and Chronic*) **May cause diarrhea if volume ingested**

Carcinogenicity **NO** NTP? **NO** IARC Monographs? **NO** OSHA Regulated? **NO**

Signs and Symptoms of Exposure **Hands may redden if immersed for several for several hours**

Medical Conditions
Generally Aggravated by Exposure **None Known.**

Emergency and First Aid Procedures **If ingested, drink quantities of fresh water; DO NOT INDUCE VOMITING.**

Flush eyes with water or saline solution. Call physician if irritation persists.

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled **Mop up or use absorbent material; dispose in trash. Rinse surface thoroughly and apply local safety/spill clean-up measures as needed or required.**

Waste Disposal Method **May be safely poured down drain.**

Precautions to Be Taken in Handling and Storing **None known.**

Other Precautions **Personal Protective Equipment (PPE) is not required. Safety goggles are suggested when using this product or any other chemical product. Dust mask may be worn when wind or spray conditions warrant.**

Section VIII—Control Measures

Respiratory Protection (*Specify Type*) **N/A; Contains no VOCs.**

Ventilation	Local Exhaust	None needed.	Special	None needed.
	Mechanical (<i>General</i>)	N/A	Other	None needed.

Protective Gloves **Not required.** Eye Protection **Suggested with use.**

Other Protective Clothing or Equipment **As needed or required by work site policies and procedures.**

Work/Hygienic Practices **Avoid excessive exposure.**