

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.

Emergency Telephone Number

++1 (865) 453-0060

Address (number, Street, City, State and Zip Code)

**807 Mize Lane
Sevierville, Tennessee 37862-3027
USA**

Telephone Number for Information

++1 (865) 453-0060

Date Prepared

Updated 01 September 2004

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; Proprietary blend of surfactants and organic solvents in aqueous solution; contains 4.5 ppm Orcoacid Orltofast Turq for identification. Contains no HAP, ODC or NP surfactants.

Section III - Physical/Chemical Characteristics

Boiling Point H₂O = 100° C	Specific Gravity (H ₂ O = 1) 1.04 - 1.27	Vapour Pressure (mm Hg) N/A	Melting Point N/A	Vapour Density (Air = 1) N/A	Evaporation Rate (Butyl Acetate = 1) N/A	Solubility in Water Infinite	Appearance and Odour Clear blue colour; none to light citrus odour
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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 None	Unusual Fire & Explosion Hazards None known	
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Section V - Reactivity Data

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

Incompatibility (materials to Avoid) Hydrocarbon-based substances; aluminium; silicone	Hazardous Decomposition or Byproducts None known	Hazardous Polymerisation	May Occur Will Not Occur X	Conditions to Avoid N/A
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Section VI - Health Hazard Data

Route(s) of Entry No	Inhalation? No	Skin? No	Ingestion? May cause diarrhoea	Health Hazards (Acute & Chronic) May cause diarrhoea if volume ingested	Carcinogenicity No	NTP? No	IARC Monographs? No	OSHA Regulated? No
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Signs and Symptoms of Exposure

Hands may redden if immersed for several hours

Medical Conditions Generally Aggravated by Exposure

None Known

Emergency & 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 the drain.

Precautions to be taken in Handling and Storing

None Known

Other Precautions

Personal Protection Equipment (PPE) recommended at all times.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

N/A; contains no VOCs

Ventilation

Local Exhaust

None Needed

Special

None Needed

Mechanical (General)

N/A

Other

None Needed

Protective Gloves

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.