Material Safety Data Sheet

IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

Product Name: REFINERY AND PETROCHEMICAL WASTE REMEDIATION (soil)

Reference Number: EC-2100P

Manufacturer: EcoChem Canada Ltd.

Tel.: 403-364-2802

E-mail Address: admin@ecochem.com

Intended Use: Refinery and petrochemical waste remediation (soil)

Date of MSDS: 2010-01-15

Emergency Tel.: CANUTEC: 613.996.6666

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS NUMBER	CONTENTS
		(% by weight)
Viable Bacterial Cultures	N/A	5
Wheat Bran	116469-86-4	30 - 40
Corn	N/A	30 - 40
Kelp	N/A	20 - 30
Humic folic acid	N/A	5 - 10

All components appear on the TSCA inventory. Components not listed are either non- hazardous or in concentrations of less than 1%.

3. HAZARD IDENTIFICATION

May cause eye or mild skin irritation.

4. FIRST AID MEASURES

Rinse eyes with water for at 15 min. If irritation persists, consult a physician. Eve Contact:

Skin Contact: Wash the product off the skin with soap and water. If irritation develops, seek the care of a

physician.

Move person to the fresh air and avoid breathing dust from the product. If breathing Inhalation:

problems develop, seek the care of a physician.

Do not induce vomiting. If victim is choking, clear airway and seek medical attention. Ingestion:

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Water spray, carbon dioxide or dry chemical

Fire and Explosion None known

Hazard:

Special Fire-fighting

Procedures:

None

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate personal protective equipment.

Contain and collect material avoiding generating dust. Place in proper container for reuse or Spills and Leaks:

disposal. Wash spill site with water.

Dispose of material according to pollution control authorities. **Environmental Protection:**

7. HANDLING AND STORAGE

Handling: No danger from handling packaged materials. Ensure packed containers remain closed

when not is use. Always wash hands with soap and water before handling food or smoking.

Use good chemical hygiene practices when working with any chemical.

Storage: Store in a location away from children, food items, and potable water. Store in an area out of

direct sunlight, keep container closed when not in use. Avoid storing in a damp environment.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Gloves: Recommended. Disposable nitrite exam gloves are suitable for preventing prolonged

contact with the skin.

Respiratory Protection: Use a NIOSH approved dusk mask to control nuisance dust.

Eye Protection: Safety glasses with side shields are recommended.

Other Protective Clothing: None required, avoid prolonged skin contact with soiled clothing

Engineering Controls: Local exhaust should be sufficient. Avoid creating dust from the product. If used in a manner

to create dust, mechanical ventilation may be necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Tan free-flowing grain-like substance

Odor: Earthy
Physical State: Powder
pH: 6.0 – 8.5
Vapor Pressure: No data
Vapor Density: No data
Boiling Point: No data
Freezing/Melting Point: No data

Bulk Density: Approximately 0.5 – 0.61 g/cm³

Evaporation Rate: Not available
Partition Coefficient: Not available
Odor Limit: Not available
Viscosity: Not available
Solubility in water: Minimal

10. STABILITY AND REACTIVITY

Stability: Stable under normal storage and handling conditions.

Hazardous Decomposition Not known

Products:

Reactivity: Strong acid or alkali compounds may inactivate biological cultures.

Hazardous Will not occur

Polymerization:

11. TOXICOLOGICAL INFORMATION

Routes of Entry: Eye contact, ingestion, inhalation, skin contact.

Toxicity for Animals: NA

Acute Effects: This product may cause eye irritation. Could cause mild skin irritation after prolonged

contact. Inhaling dust from this product could cause irritation to the lungs and mucus membranes. Persons with respiratory problems should avoid breathing dust from this product. Ingestion of this product could cause irritation to the mouth and throat or cause

choking

Toxicological Effects: Low acute oral toxicity although ingestion will cause irritation of the gastrointestinal tract and

may result in nausea and diarrhea. May cause mild mechanical irritation to eyes, skin and

mucous membranes.

Supplemental Health The IARC classifies respirable silica as a (group 1) carcinogen. The NTP indicates that

Information: crystalline silica is reasonably anticipated to be a (group 2) carcinogen.

12. ECOLOGICAL INFORMATION

Environmental Effects: Minimal impact under normal conditions of use and storage. The bacterial cultures are

naturally occurring soil type organisms. The carriers are naturally occurring materials.

Mobility: Disperses in water

Degradability: Contents are biodegradable.

Bio-accumulative Not likely

Properties:

Aquatic Toxicity: Not known

13. DISPOSAL CONSIDERATIONS

Substance: Contain and collect material, place in a proper storage container for reuse or disposal.

Dispose of materials in accordance with local regulations.

Container: As substance.

14. TRANSPORT INFORMATION

Not regulated for transport

UN Number: Not applicable Class:

Primary Hazard:
Packing Group:
H.I. Number:
Subsidiary Hazard:
Emergency Action Code:
Marine Pollutant:

Proper Shipping Name: Not applicable

15. REGULATORY INFORMATION

Hazard Symbols: Not applicable Risk Phrases: Not applicable Safety Phrases: Not applicable National Regulations: Not applicable

The information contained in this data sheet does not constitute an assessment of workplace risks.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

16. OTHER INFORMATION

The product formulation contains a range of naturally occurring plant extracts which are known to be non-pathogenic to man or animals.

Further details may be available upon request from EcoChem

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