



Material Safety Data Sheet

**Earth ReClaim™
Sorbent Material**

<u>NFPA Classification:</u> Health: 0 Flammability: 0 Instability: 0	<u>HMIS Classification:</u> Health: 1 Flammability: 0 Physical Hazard: 0 Personal Protection: B	Date Issued: 9/20/2010 MSDS No.: 5-042 Date Revised: 1/15/13 Revision No.: 004
Name of Material		Earth ReClaim™ Sorbent

1. PRODUCT AND COMPANY NAME

PRODUCT NAME: Earth ReClaim™ Sorbent
PRODUCT CODE:
PRODUCT FORMULATION NAME: Mixture
GENERIC NAME: None

MANUFACTURER:
Red Lion Scientifics, LLC
11011 Via Frontera
Suite D
San Diego, CA 92127
Phone: (858) 705-6678
Fax: (858) 705-6694

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: White Powdery Solid, No Odor

IMMEDIATE CONCERNS: Dust may be irritating to the respiratory tract. Irritating, but will not cause permanent injury to the eye tissue. Repeated exposure may cause skin dryness or cracking. All metal parts of mixing and processing equipment must be earthed/grounded.

POTENTIAL HEALTH EFFECTS

EYES: May cause mechanical irritation. Irritating, but not permanently injure eye tissue. Low hazard for usual industrial or commercial handling.

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SKIN: Repeated exposure may cause skin dryness or cracking.

INGENSTION: Health injuries are not known or expected under normal use. Low hazard for usual industrial or commercial handling.

INHALATION: Dust may be irritating to respiratory tract. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. See also Section 8.

CARCINOGENICITY EFFECTS: Does not contain any substance greater than 0.1% listed by IARC (International Agency for Research on Cancer), NTP (National Toxicology Program), OSHA (Occupational Safety and Health Administration), ACGIH (American Conference for Governmental Industrial Hygienists) or EU (European Union). See also Section 11.

MEDICAL CONDITIONS AGGRAVATED: Asthma, Respiratory disorder

TARGET ORGAN: Eyes, Lungs

COMMENTS: For detailed toxicological information see Section 11.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients in the product are not known or classified as hazardous. They are Generally Recognized As Safe by the USFDA.

This Proprietary Formulation is comprised of natural scoriaceous materials.

4. FIRST AID MEASURES

EYES: Flush eyes with large quantities of water. If irritation persists consult a physician.

SKIN: Wash with soap and water. Seek medical attention if redness, swelling, itching or burning occurs.

INGESTION: Do not induce vomiting. If conscious, give several glasses of water. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. Drink water to clear throat and blow nose to evacuate dust.



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COMMENT: As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to chemical substances and ensure prompt removal from skin, eyes and clothing.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Nonflammable

FLAMMABLE LIMITS: NA

AUTOIGNITION TEMPERATURE: NA

FLAMMABLE CLASS: NA

FLAME PROPAGATION OR BURNING RATE OF SOLIDS: NA

GENERAL HAZARDS: NONE

EXTINGUISHING MEDIA: NA

HAZARDOUS COMBUSTION PRODUCTS: NONE

FIRE FIGHTING PROCEDURE: NONE

FIRE FIGHTING EQUIPMENT: NONE

SENSITIVITY TO STATIC DISCHARGE: NA

SENSITIVITY TO IMPACT: NA

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Vacuum clean material with equipment fitted with HEPA filter. Use a dust suppressant such as water if sweeping is necessary.

LARGE SPILL: Clean up promptly with mechanical means as required and place in suitable container for use or recycling as necessary. Use proper vacuum to remove remaining product. Use a dust suppressant such as water if sweeping is necessary.



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ENVIRONMENTAL PRECAUTIONS: No special environmental precautions are required. Local authorities should be advised if significant spillages cannot be contained.

GENERAL PROCEDURES: Wear goggles if release creates conditions where eye contact is probable. Ventilate area if necessary.

COMMENTS: See Section 13 for disposal information and Section 15 for Regulatory requirements.

7. HANDLING AND STORAGE

HANDLING: Minimize dust generation and accumulation. Avoid breathing dust. Avoid contact with eyes. Seal broken containers immediately. Continue to follow all MSDS/Label warnings when handling empty containers. All metal parts of mixing and processing equipment must be earthed/grounded.

STORAGE: Keep containers tightly closed in a dry well-ventilated place. Keep at ambient temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

INHALATION STANDARDS: Inhalation standards for this material have not been established.

Goggles: Goggles or Safety Glasses with side shields are recommended.

Gloves: Wear suitable gloves.

Respirator: Approved respirator may be necessary if local dust exhaust ventilation is not adequate.

Skin and Body Protection: Wear suitable protective clothing. No special protective equipment is necessary.

Engineering Controls: Ensure adequate ventilation to maintain minimal dust in area. Provide adequate exhaust ventilation at machinery and at places where dust can be generated.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Powdery Colloidal Solid



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ODOR: NONE

COLOR: White

pH: 6.0-7.5 When Suspended in Water

VAPOR PRESSURE: NA

VAPOR DENSITY: NA

BOILING POINT: NA

FREEZING POINT: NA

MELTING POINT: >2000 Degrees F

FLASHPOINT AND METHOD: NA

SOLUBILITY IN WATER: Insoluble, hydrophobic and buoyant

EVAPORATION RATE: NA

DENSITY: NA

SPECIFIC GRAVITY: 0.12g/cm³

VISCOSITY: NA

MOLECULAR WEIGHT: NA

COEFF. OIL/WATER: NA

10. STABILITY AND REACTIVITY

STABILITY: The material is stable.

HAZARDOUS POLYMERIZATION: Hazardous polymerization does not occur.

CONDITIONS TO AVOID: None in designed use.



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HAZARDOUS DECOMPOSITION PRODUCTS: None

INCOMPATIBLE MATERIALS: None Known

11. TOXICOLOGICAL INFORMATION

ACUTE:

EYES: Not Available

DERMAL LD₅₀: Not Available

ORAL LD₅₀: Not Available

INHALATION LC₅₀: Due to the products physical characteristics, no suitable testing procedure is available.

EYE EFFECTS: None Known

SKIN EFFECTS: None Known

CARCINOGENICTY: Does not contain any substance greater than 0.1% listed by IARC (International Agency for Research on Cancer), NTP (National Toxicology Program), OSHA (occupational Safety and Health Administration), ACGIH (American Conference for Governmental Industrial Hygienists) or EU (European Union).

SENSITIZATION: Not Tested

REPRODUCTIVE EFFECTS: Not Tested

TERATOGENIC EFFECTS: Not Available

MUTAGENICITY: Not Available

12. ECOLOGICAL INFORMATION

Summary: Generally considered chemically inert in the environment. Used material which has become contaminated may have significantly different characteristics based on the contaminant and should be evaluated accordingly.

Mobility: Not expected to migrate.

Bioaccumulation: According to experience not expected.



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Persistence/Degradability: The methods for determining biodegradability are not applicable for inorganic substances.

13. DISPOSAL CONSIDERATIONS

Information in this section pertains to the product as shipped in its intended composition as described in Section 2 of the MSDS. Contamination or processing may change waste characteristics and requirements. Regulations may also apply to empty containers or liners. State/provincial and local regulations may be different from federal regulations.

RCRA Classification (40 CFR 261): Not a hazardous waste.

PRODUCT DISPOSAL: May be disposed of in a suitable landfill in accordance with the regulations used by appropriate federal, provincial, state, and local authorities.

EMPTY CONTAINERS: No special handling.

GENERAL COMMENTS: Refer to Section 6, Accidental Release Measures for added information.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

US Department of Transportation
Canadian Transport of Dangerous Goods Regulation
European Transport of Dangerous Goods Regulation
CGVS, GGVE, RID, ADR, IMDG Code, ICAO-TI
United Nations (no UN Number)

DOT/ICAO/IATA

PROPER SHIPPING NAME: Earth ReClaim™ Oil Binding Material


TECHNICAL NAME: NA

PRIMARY HAZARD CLASS/DIVISION: Not Classified

LABEL: Oil Binding Material

15. REGULATORY INFORMATION

UNITED STATES

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DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: Not Applicable

TITLE III NOTES: Not Applicable

CERLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: Not Applicable

TSCA (TOXIC SUBSTANCE ACT)

TSCA REGULATORY: All components of this product are listed on or are exempt from the TSCA Inventory.

REGULATIONS

STATE REGULATIONS: Not Available

LOCAL REGULATIONS: Not Available

16. OTHER INFORMATION

Disclaimer:

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