

EARTH CHEM

MATERIAL SAFETY DATA

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **EarthBound®**

SYNONYMS: None

CHEMICAL FAMILY: Anionic polyacrylamide polymer

MOLECULAR FORMULA: Polymer

MOLECULAR WGT: Polymer

EARTH CHEM, INC., P.O. Box 272627, Fort Collins, CO 80527 Phone: 970-223-4998

EMERGENCY PHONE: For emergency involving spill, leak, fire, exposure or accident call 970-223-4998.

2. COMPOSITION/INFORMATION ON INGREDIENTS

OSHA REGULATED COMPONENTS

COMPONENT	CAS. NO.	%	TWA/CEILING	REFERENCE
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No Permissible
Exposure Limits
(PEL/TLV) have
been established by
OSHA or ACGIH

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE AND ODOR: Off-white granular solid; odorless

STATEMENTS OF HAZARD:

IMPORTANT! SPILLS OF THIS PRODUCT ARE VERY SLIPPERY WHEN WET

POTENTIAL HEALTH EFFECTS

EFFECTS OF OVEREXPOSURE:

The acute oral (rat) and acute dermal (rabbit) LD50 values for this product are >5.0 g/kg and >10.0 g/kg, respectively. The acute 4-hour LC50 (rat) value is estimated to be greater than 20 mg/L. Direct contact with this material may cause minimal eye and skin irritation.

4. FIRST AID MEASURES

In case of skin contact, wash affected areas of skin with soap and water.

In case of eye contact, immediately irrigate with plenty of water for 15 minutes.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: Not applicable

FLAMMABLE LIMITS

(% BY VOL): Not applicable

AUTOIGNITION TEMP: Not available

DECOMPOSITION TEMP: Not available

EXTINGUISHING MEDIA AND FIRE FIGHTING INSTRUCTIONS

As with many solids, any dust that is generated may be explosive if mixed with air in critical proportions and in the presence of a source of ignition. Use water, carbon dioxide or dry chemical to extinguish fires. Wear self-contained, positive pressure breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Spilled material becomes very slippery when wet. Sweep up spills and place in a waste disposal container. Flush the area thoroughly with water and scrub to remove residue. If slipperiness remains, apply more dry-sweeping compound. Do not flush large quantities of the material to sewer.

7. HANDLING AND STORAGE

Spills should be scooped up or wiped up immediately and the spill area flushed with water. Maintain good housekeeping to control dust accumulations.

To avoid product degradation and equipment corrosion, do not use iron, copper or aluminum containers or equipment.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT (PPE)

Engineering controls are not usually necessary if good hygiene practices are followed. Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water. Avoid unnecessary skin contact. Impervious gloves are recommended to prevent prolonged skin contact. For operations where eye or face contact can occur, eye protection is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Off-white granular solid; odorless

BOILING POINT: Not applicable

MELTING POINT: Not applicable

VAPOR PRESSURE: Not applicable

SPECIFIC GRAVITY: 0.65 - 0.85

VAPOR DENSITY: Not applicable

% VOLATILE (BY WT): 7 - 12; (water)

pH: Not applicable

SATURATION IN AIR (% BY VOL): Not available

EVAPORATION RATE: Not applicable

SOLUBILITY IN WATER: Limited by viscosity

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: None known

POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: None known

INCOMPATIBLE MATERIALS: Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide; carbon dioxide; ammonia; and/or oxides of nitrogen

11. TOXICOLOGICAL INFORMATION

Toxicological information for the product is found under Section 3, HAZARDS IDENTIFICATION. Toxicological information on the OSHA regulated components of this product is as follows:
This product contains no OSHA regulated (hazardous) components.

12. ECOLOGICAL INFORMATION

No aquatic LC50, BOD, or COD data available.

OCTANOL/H2O PARTITION COEF: Not available

13. DISPOSAL CONSIDERATIONS

Disposal must be made in accordance with applicable governmental regulations.

14. TRANSPORT INFORMATION

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

	<u>D.O.T. SHIPPING INFORMATION</u>	<u>IMO SHIPPING INFORMATION</u>
SHIPPING NAME:	Not applicable/not regulated	Not applicable/not regulated
HAZARD CLASS/ PACKING GROUP:	Not applicable	Not applicable
UN NUMBER:	Not applicable	Not applicable
IMDG PAGE:	Not applicable	Not applicable
D.O.T. HAZARDOUS SUBSTANCES:	(PRODUCT REPORTABLE QUANTITY) Not applicable	Not applicable
TRANSPORT LABEL REQUIRED:	None required	None required
	<u>ICAO/IATA</u>	<u>TRANSPORT CANADA</u>
SHIPPING NAME:	Not applicable/not regulated	Not applicable/not regulated
HAZARD CLASS:	Not applicable	Not applicable
SUBIDIARY CLASS:	Not applicable	Not applicable
UN/ID NUMBER:	Not applicable	Not applicable
PACKING GROUP:	(PRODUCT REPORTABLE QUANTITY) Not applicable	Not applicable
TRANSPORT LABEL REQUIRED:	None required	None required
PACKING INSTR:	PASSENGER Not applicable CARGO Not applicable	Not applicable
MAX NET QTY:	PASSENGER Not applicable CARGO Not applicable	Not applicable

ADDITIONAL TRANSPORT INFORMATION

TECHNICAL
NAME (N.O.S.): Not applicable

15. REGULATORY INFORMATION

INVENTORY INFORMATION

US TSCA: This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U.S.C.

CANADA DSL: Components of this product have been reported to Environment Canada in accordance with subsection 25 of the Canadian Environmental Protection Act and are included on the Domestic Substances List.

EEC EINECS: All components of this product are included on the European Inventory of Existing Chemical Substances [EINECS] in compliance with Council Directive 67/548/EEC, Amended 79/831/EEC.

OTHER ENVIRONMENTAL INFORMATION The following components are defined as toxic chemicals subject to reporting requirements of Section 313 of Title III and of 40 CFR 372 or subject to other EPA regulations.

COMPONENT	CAS. NO.	%	TPQ(lbs)	RQ(lbs)	S313	RCRA	TSCA 12B
This product does not contain any components regulated under these sections of the EPA.							

PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA Not applicable under SARA TITLE III

16. OTHER INFORMATION

NFPA HAZARD RATING (National Fire Protection Association)

Fire 1	FIRE: Materials that must be preheated before ignition can occur
Health 0	HEALTH: Materials which on exposure under fire conditions would offer no hazard beyond that of ordinary combustible material.
0 Reactivity --	REACTIVITY: Materials which in themselves are normally stable, even under fire exposure conditions, and which are not reactive with water.
Special	

REASON FOR ISSUE: Registered trademark update

Revision Date: 2/09/09

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