

Earth Bond
SAFETY DATA SHEET

Hazards	Personal Protection	Transport Information
	 	Not classified.

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

1.1. Product Identifier:

Product Name: **Earth Bond**
Type of product: Mixture

1.2. Relevant identified use of the substance or mixture and uses advised against

Product use: Processing aid for industrial applications
Uses advised against: All non-professional uses

1.3. Details of the supplier of the safety data sheet

Supplier: **Turf Guard MFG Inc.**
Telephone: 207-717-7078

E-mail address: Tackifier@gmail.com

1.4. Emergency telephone number

24-hr. emergency number: 207-717-7078

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to paragraph (d) of Regulation 29 CFR 1910.1200: Not classified

2.2. Label Elements

Labelling according to paragraph (f) of Regulation 29 CFR 1910.1200

Hazard symbol(s): None
Signal word: None
Hazard statement(s): None
Precautionary statement(s): None

2.3. Other Hazards

Spills produce extremely slippery surfaces.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable, this product is not a substance.

3.2. Mixtures

Hazardous Components

Contains no reportable hazardous substances.

4. FIRST-AID MEASURES

4.1. Description of first aid measures

Inhalation: Move to fresh air. No Hazards which require special first aid measures.
Skin contact: Wash off with plenty of water. Get medical attention if irritation develops and persists.
Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion: If swallowed, **DO NOT** induce vomiting unless directed to do so by medical personnel. Get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

None under normal use.

4.3. Indications of any immediate medical attention and special treatment needed.

None reasonably foreseeable.

Other information

Aqueous solutions or powders that become wet render surfaces extremely slippery.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry powder, carbon dioxide.
Unsuitable extinguishing media: None.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products: Thermal decomposition may produce: Nitrogen oxides (NO_x), carbon oxides (CO_x).
Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

5.3. Advice for fire-fighter.

Protective measures: In the event of fire, wear self-contained breathing apparatus.
Other information: Aqueous solutions or powders that become wet render surfaces extremely slippery.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Aqueous solutions or powders that become wet render surfaces extremely slippery.

Protective equipment: Wear adequate personal protective equipment (see Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION).
Emergency procedures: Keep people away from spill/leak.

6.2. Environmental Precautions

As with all chemical products, **DO NOT** flush into surface water.

6.3. Method and materials for containment and cleaning up

Small spills: **DO NOT** flush with water. Clean up promptly by scoop or vacuum. Keep in suitable, closed containers for disposal. After cleaning, flush away traces with water.
Large spills: **DO NOT** flush with water. Clean up promptly by scoop or vacuum. Keep in suitable, closed containers for disposal. After cleaning, flush away traces with water.
Residues: Flush away traces with water.

6.4 Reference to other sections

Section 7: HANDLING AND STORAGE; Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION, Section 13: DISPOSAL CONSIDERATIONS.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Aqueous solutions or powders that become wet render surfaces extremely slippery.

7.2. Conditions for safe storage

Keep in a dry place. Keep container closed when not in use. Incompatible with oxidizing agents.

7.3. Specific end use(s)

None.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits: None

8.2. Exposure controls

Appropriate engineering controls: Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.

Individual protection measures, such as personal protective equipment

- a) Eye/face protection: Safety glasses with side-shields
- b) Skin protection: Chemical-resistant apron or protective suit if splashing or repeated contact is likely.
- c) Hand protection: PVC or other plastic material gloves.
- d) Respiratory protection: No personal respiratory protective equipment normally required. Dust safety masks recommended where working powder concentration is more than 10 mg/m³.
- e) Additional advice: Handle in accordance with good industrial hygiene and safety practices.

Environmental exposure controls: **DO NOT** allow uncontrolled discharge of product into the environment. **DO NOT** flush into surface water.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	granular solid, white
Odor:	none
Odor threshold:	not applicable
pH:	5 – 9 @ 5 g/L
Melting point/range (° C):	> 150° C
Initial boiling point and boiling range:	not applicable
Flash point:	not applicable
Evaporation rate	not applicable
Flammability (solid, gas):	no data available
Upper/lower flammable or explosive limits:	not expected to create explosive atmospheres
Vapor pressure:	not applicable
Vapor density:	not applicable
Relative density:	0.6 – 0.9
Solubility(ies):	soluble in water
Partition coefficient:	- 2
Autoignition temperature:	does not self-ignite (based on the chemical structure)
Decomposition temperature:	> 150° C
Viscosity:	See Technical Bulletin
Explosive properties:	Kst = 0
Oxidizing properties:	Non-flammable to ignition sources of less than 2.5kJ not expected to be oxidizing based on the chemical structure

9.2. Other informationNone

10. STABILITY AND REACTIVITY

10.1. Reactivity

None known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Oxidizing agents may cause exothermic reaction.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Incompatible with oxidizing agents.

10.6. Hazardous decomposition productsThermal decomposition may produce: Nitrogen oxides (NO_x), carbon oxides (CO_x), hydrogen cyanide (hydrocyanic acid).

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Information on the product as supplied:

Acute oral toxicity:	LD ₅₀ / oral / rat > 5000 mg / kg
Acute dermal toxicity:	LD ₅₀ / dermal / rat > 5000 mg / kg
Acute inhalation toxicity:	The product is not expected to be toxic by inhalation.
Skin corrosion / irritation:	Not irritating.
Serious eye damage / eye irritation:	Not irritating.
Respiratory / skin sensitization:	Not sensitizing.
Mutagenicity:	Not mutagenic.
Carcinogenicity:	Not carcinogenic.
Reproduction toxicity:	Not toxic for reproduction.
STOT – single exposure:	No known effects.
STOT – repeated exposure:	No known effects.
Aspiration hazard:	No hazard resulting from the material as supplied.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Information on the product as supplied:

Acute toxicity to fish:	LC ₅₀ / <i>Danio rerio</i> / 96 hours > 100 mg / L (OECD 203)
Acute toxicity to invertebrates:	EC ₅₀ / <i>Daphnia magna</i> / 48 hours > 100 mg / L (OECD 202)
Acute toxicity to algae:	IC ₅₀ / <i>Scenedesmus subspicatus</i> / 72 hours > 100 mg / L (OECD 201)
Chronic toxicity to fish:	No data available.
Chronic toxicity to invertebrates:	No data available.
Chronic toxicity to algae:	No data available.
Effects on terrestrial organisms:	No known effects.
Sediment toxicity:	No data available.

12.2. Persistence and degradability

Information on the product as supplied:

Degradation:	Not readily biodegradable.
Hydrolysis:	Does not hydrolyze.
Photolysis:	No data available.

12.3. Bioaccumulation potential

Information on the product as supplied:

This product is not expected to bioaccumulate.

Partition coefficient (Log Pow):	- 2
Bioconcentration factor (BCF):	~ 0

12.4. Mobility in soil

Information on the product as supplied

None.

12.5. Other adverse effects

None known.

13. DISPOSAL CONSIDERATIONS**13.1. Water treatment methods**

Waste from residues / unused products: Dispose of in accordance with local regulations. Can be landfilled or incinerated, when in compliance with local regulations.

Contaminated packaging: Rinse empty containers with water and use the rinse-water to prepare the working solution. If recycling is not practicable, dispose of in compliance with local regulations.

Recycling: This product and its packaging is not suitable for recycling.

14. TRANSPORTATION INFORMATION

Land transport (DOT): Not classified.

Sea transport (IMDG): Not classified.

Air transport (IATA): Not classified.

15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**Information on the product as supplied:

TSCA Chemical Substances Inventory: All components of this product are either listed on the inventory or are exempt from listing.

US SARA Reporting Requirements

SARA (Section 311 / 312) Hazard Class: Not concerned.

RCRA Status: Not RCRA hazardous.

California Proposition 65 Information: Not concerned.

16. OTHER INFORMATION

Contact person: Product Manager

NEPA and HMIS[®] Ratings:**NFPA:**

Health: 0

Flammability: 0

Reactivity: 0

Special:

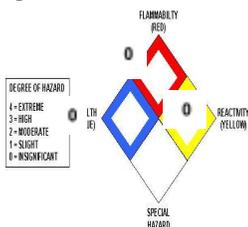
HMIS[®]:

Health: 0

Flammability: 0

Reactivity: 0

PPE Code: B

Other Information

Creation Date: 05/31/2006
Revision Date(s): 10/04/2013, 03/02/2015 – updates
Current Revision: 06/01/2015 – updates. Supersedes previous issues.

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Product Name: **Earth Bond**

Rev. Date: 06/01/2015

This SDS was prepared in accordance with the following:

Federal Regulation 29 CFR 1910.1200

Prepared by: Regulatory Dept.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.
