

Advanced Organics Carbon Based Fertilizers Inc.

DBA EarthWorks™ Natural Organic Products

SAFETY DATA SHEET

Revision Date – 02.19.2016

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name: Earthworks Ecolite™

1.2 Recommended use of the mixture

Identified uses: Soil amendment

1.3 Suppliers details

Company: EarthWorks, 30 Morgan Hill Rd., Easton, PA 18042, USA
Telephone: +1 800-732-8873
Fax: +1 610-250-7840

1.4 Emergency telephone number: +1 610-250-9560

2. HAZARD IDENTIFICATION

2.1 Classification of the mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Eye irritation H319

Specific target organ toxicity – Respiratory system, H335

2.2 GHS Label elements, including precautionary statements



Pictogram:

Single word: Warning

GHS Hazard statements

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary Statements

P261 Avoid breathing dust

P264 Wash skin thoroughly after handling

P280 Wear eye protection

P304+P340 IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312	Call a POISON CENTER/doctor/physician if you feel unwell
P337+P313	If eye irritation persists: Get medical advice/attention
P403+233	Store in a well ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents in accordance with local, regional, national, and international regulations

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

	CAS Number
Zeolite	1318-02-1

4. FIRST AID MEASURES

4.1 Description of first aid measures

General Advice

Consult a physician.

If inhaled

Move person into fresh air. Consult a physician.

In case of skin contact

Wash off with soap and water.

In case of eye contact

Flush eyes with water as a precaution for 15 minutes.

If swallowed

Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact

Red skin on contiguous contact with skin.

Symptoms/injuries after eye contact

Rinse with water. Take victim to ophthalmologist.

Symptoms/injuries after ingestion

Gastrointestinal complaints. vomiting, nausea, diarrhea.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES

5.1 Suitable extinguishing media

Alcohol-resistant foam or carbon dioxide can be used as extinguishing materials.



5.2 Special hazards arising from the substance or mixture
Unknown

5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information
No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

6.2 Environmental precautions
Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
Pick up without creating dust. Sweep up and shovel. Reuse if not contaminated by other materials

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities
Keep container dry and tightly closed.

7.3 Specific end use(s)
No other specific uses are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Component	CAS No.	Value	Control Parameters	Basis
Zeolites, Crystalline aluminosilicates	1318-02-1	TWA	1.0 mg m ⁻³	USA. ACGIH (TLV)

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.3 Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands.

Body Protection

Impervious work clothes.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance	Light gray powder
Odor	None
Odor threshold	no data available
pH	no data available
Melting point	no data available
Boiling point	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability	no data available
Upper/lower flammability or explosive limits	no data available
Vapor pressure	no data available
Vapor density	no data available
Water solubility	Insoluble
N-octanol partition coefficient	no data available
Auto ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

9.2 Other safety data

no data available

10. STABILITY AND REACTIVITY**10.1 Reactivity**

no data available

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

Avoid moisture.

10.5 I Incompatible materials
Strong oxidizing agents, strong bases

10.6 Hazardous decomposition products
No data available

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral >10,000 mg kg⁻¹ Rat

Skin corrosion/irritation

No skin irritation

Serious eye damage/eye irritation

Irritant

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: Group 3, volume 68 - Not classified as an identified or probable, possible or confirmed human carcinogen by IARC.

ACGIH: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

Inhalation – may cause respiratory irritation.

Aspiration hazard

No data available

Additional Information

Prolonged or repeated exposure may cause damage to the lungs.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No data available

12.2 Persistence and degradability
Non-degradable

- 12.3 Bioaccumulative potential**
No data available
- 12.4 Mobility in soil**
Immobile
- 12.5 Results of PBT and vPvB assessment**
No data available
- 12.6 Other adverse effects**
No data available
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13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

No special considerations. Contact a licensed professional waste disposal service to dispose of non-recyclable material.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

15. REGULATORY INFORMATION

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

TSCA Inventory

Not listed

California Proposition 65 Components

This product does not contain any chemicals known to State of California to cause cancer or reproductive toxicity.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and should be used only as a guide. No representations, warranty or guarantee is made as to its accuracy, reliability or completeness. No warranty of merchantability, fitness for any other purpose other than the identified use stated herein. No other warranty, expressed or implied is made concerning the information herein provided