

**Advanced Organics Carbon Based Fertilizers Inc.**  
**DBA EarthWorks™ Natural Organic Products**

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**SAFETY DATA SHEET**

Revision Date – 11.19.2015

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**1. PRODUCT AND COMPANY IDENTIFICATION**

**1.1 Product identifiers**

Product Name: Earthworks™ Replenish 5-4-5 Standard Grade  
Other Names: Earthworks™ Replenish 5-4-5 Greens Grade

**1.2 Recommended use of the mixture**

Identified uses: Fertilizer

**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

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**2. HAZARD IDENTIFICATION**

**2.1 Classification of the mixture**

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

Not classified – all ingredients are classified by AAPFCO as fertilizer ingredients

**2.2 GHS Label elements, including precautionary statements**



**Pictogram:**

**Single word:** Caution

**Hazard statements**

H303: May be harmful if swallowed  
H316: Causes mild skin irritation  
H320: Causes eye irritation  
H335: May cause respiratory irritation

**Precautionary Statements**

P261: Avoid breathing dust  
P264: Wash skin thoroughly after handling  
P280: Wear eye protection  
P301+312: IF SWALLOWED: Call a doctor if you feel unwell.  
P305 + P351+ P338: If in eyes: Rinse cautiously with water for several minutes.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P403+P233: Store in a well ventilated place. Keep container tightly closed.  
P501: Dispose of contents to an approved waste disposal plant

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS**  
None

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances**

	<b>CAS Number</b>
Composted poultry manure	-
Rock phosphate	-
Potassium sulfate	7778-80-5
Ammonium sulfate	7783-20-2
Methylene urea	68966-60-9

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**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

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## 5. FIREFIGHTING MEASURES

- 5.1 Suitable extinguishing media**  
Alcohol-resistant foam, dry chemical or carbon dioxide can be used as extinguishing materials.
- 5.2 Special hazards arising from the substance or mixture**  
Carbon dioxide, carbon monoxide, nitrous oxides (NO<sub>x</sub>), sulfur oxides.
- 5.3 Advice for firefighters**  
Wear self contained breathing apparatus for firefighting if necessary.
- 5.4 Further information**  
No data available



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## 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**  
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.
- 6.2 Environmental precautions**  
none
- 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

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## 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. Do not store below 32°F (0°C) or exceed 99°F (37°C). Do not store in sunlight.
- 7.3 Specific end use(s)**  
No other specific uses are stipulated.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- Components with workplace control parameters**  
Dust from this product should not be a problem because it is a liquid. Do not allow to dry.
- 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:** Normal 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Dry brown pellets
Odor	Chicken manure
Odor threshold	no data available
pH	7.5
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	Slightly soluble
N-octanol partition coefficient	no data available
Auto ignition temperature	no data available
Decomposition temperature	> 200° F (93° C)
Viscosity	Not applicable
Explosive properties	no data available
Oxidizing properties	no data available

### 9.2 Other safety data

No data available

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Keep container dry and tightly closed. Do not store below 40° F (4° C) or exceed 90° F (32° C).

### 10.3 Possibility of hazardous reactions

No data available

- 10.4 Conditions to avoid**  
Sunlight, heat >90° F (32° C).
- 10.5 Incompatible materials**  
Strong oxidizing agents, Strong bases
- 10.6 Hazardous decomposition products**  
Carbon monoxide and carbon dioxide
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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute toxicity**

no data available

**Inhalation**

no data available

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

IARC: No components of this product present at levels greater than or equal to 0.1% is identified as 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**

No data available

**Aspiration hazard**

No data available

**Additional Information**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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**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**  
No data available
- 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 this material.

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**14. TRANSPORT INFORMATION**

**DOT (US)**  
Not dangerous goods

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**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**

Ammonium sulfate

CAS-No.  
7783-20-2

**TSCA Inventory**

Listed as UVCB; Substance of Unknown or Variable composition, Complex reaction products or Biological materials

**Massachusetts Right To Know Components**

Ammonium sulfate

CAS-No.  
7783-20-2

**Pennsylvania Right To Know Components**

Ammonium sulfate

CAS-No.  
7783-20-2

**New Jersey Right To Know Components**

Ammonium sulfate

CAS-No.  
7783-20-2**California Proposition 65 Components**

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

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**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