

MACRO-SORB[®] RADICULAR

Date Prepared: March 2015
Supersedes Date: March 2010

1. IDENTIFICATION OF MATERIAL AND MANUFACTURER

1.1. Identification of material

1.1.1 Name: MACRO-SORB RADICULAR

1.2. Main uses of the material

Agricultural, turf, and ornamental fertilizer

1.3. Identification of producer

1.3.1 Company: Weldon's Chemical, LLC
1.3.2 Address: 25 Roland Avenue, Mount Laurel, NJ, 08054
1.3.3 Phone: (856) 266-9440, Mon – Fri, 0800 – 1630 EST

1.4. Emergency telephone

24 Hour Emergency Number – CHEMTREC (USA) – 1-800-424-9300

2. HAZARDS IDENTIFICATION

2.1. Classification of substance or mixture

Not classified

2.2. Label Elements

Pictogram: None
Signal Word: None
Hazard Statements: None

Precautionary Statements:

P102: Keep out of reach of children
P270: Do not eat, drink or smoke when using this product
P501: Dispose of contents/container in accordance with local/national regulations

3. COMPOSITION

3.1. Active ingredients: Amino acids

3.2. Dangerous components:

| Chemical Name | Identification (CAS #) | Concentration % w/w |
|----------------------|------------------------|---------------------|
| EDTA Na ₂ | 139-33-3 | <5% |
| Potassium sorbate | 24634-61-5 | <5% |
| Phosphoric acid 75% | 7664-38-2 | <5% |
| Sodium hydroxide 30% | 1310-73-2 | <5% |
| Sodium bisulfate | 231-548-0 | <5% |

3.3. CAS number: -

3.4. EINECS number: -

3.5. Molecular weight: -

3.6. Description: Water solution of amino acids from natural sources and inorganic salts for agriculture purposes

3.7. Systematic name: -

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3.8. **Dangerous impurities:** No evidence

4. FIRST AID

- 4.1. **After inhalation:** Remove to fresh air immediately. If necessary, give oxygen. If symptoms persist, seek medical attention.
- 4.2. **After skin contact:** Wash affected areas with soap and water. If irritation persists, seek medical attention
- 4.3. **After eye contact:** Flush eyes with plenty of lukewarm water for 15-20 minutes. If irritation persists, seek medical attention
- 4.4. **After ingestion:** If ingestion does occur, seek medical attention immediately. Do not induce vomiting unless directed by medical personnel.
- 4.5. **After scar contact:** Wash affected areas with soap and water. If irritation persists, seek medical attention

5. MEASURES AGAINST FIRE

- 5.1. **Protection against fire and explosion:** No special requirement
- 5.2. **Exinction methods:** Water or any other
- 5.3. **Excluded extinction methods:** None

6. MEASURES IN CASE OF SPILLS OR LEAKS

6.1. **Personal precautions, protective equipment and emergency procedures:**

For control exposure and individual measures see Section 8

- a. **Environmental precautions:** Avoid drain contamination as well as surface or groundwater contamination
- b. **Methods and materials for containment and clean up:** Keep in suitable, closed containers for disposal
- c. **Reference to other sections:** For disposal see Section 13

7. HANDLING AND STORAGE

- 7.1. **Precautions for safe handling:** For personal protection see Section 8
- 7.2. **Conditions for safe storage including incompatibilities:** Store in the original container in a cool, dry and well ventilated area
- 7.3. **Specific Uses:** Agricultural, turf, and ornamental fertilizer

8. EXPOSURE CONTROL, PERSONAL PROTECTION

- 8.1. **Threshold limit values:** Not available
- 8.2. **Exposure control:** The following clothing is recommended for use while handling the product: Use of gloves and goggles or face screen; PVC or rubber gloves

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. General information

A Physical state:

| | Solid | Liquid | Gaseous Form |
|-----------|-------|--------|--------------|
| At 20 °C | | X | |
| At 100 °C | | | X |

B Color: Yellow

C Odor: Characteristic

Important information related to Health, Safety and Environment

| | | |
|---|--|---------------|
| A | pH at 50 g/l H ₂ O (20 °C): | 4.7-5.7 |
| B | Boiling point: | Near 100 °C |
| C | Flash point: | Non-flammable |
| D | Flammability (solid, gas): | Non-flammable |
| E | Explosive properties: | Non-explosive |
| F | Steam pressure: | Not available |
| G | Density (20 °C): | 1.16 g/ml |
| H | Package density: | Not available |
| I | Solubility in water (20 °C): | Very soluble |
| J | Viscosity: | Not available |
| K | Melting point: | Near 0° C |
| L | Conductivity: | Not available |

10. STABILITY AND REACTIVITY

Stable under normal conditions

10.1. Conditions to be avoided: None

10.2. Material to be avoided: None

10.3. Dangerous decomposition: None

11. TOXICOLOGICAL INFORMATION

No information available

12. ECOLOGICAL INFORMATION

12.1. Eco toxicity: Not dangerous for the environment

12.2. Mobility: Not available

12.3. Persistence and degradability: Not available

12.4. Bioaccumulation potential: This product is biodegradable

12.5. Other harmful effects: Not available

13. WASTE DISPOSAL CONSIDERATIONS

13.1. Product: Not dangerous, Dispose of contents in accordance with local/national regulations.

13.2. Packaging: Dispose of container in accordance with local/national regulations.

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14. TRANSPORT INFORMATION

Not Regulated

15. REGULATORY INFORMATION

No data available

16. OTHER INFORMATION

This version (March 2015) supersedes version March 2010.

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