

# MACRO-RELIEF

Date Prepared: May 2015  
Supersedes Date: October 2014

## 1. IDENTIFICATION OF MATERIAL AND MANUFACTURER

### 1.1. Identification of material

1.1.1 Name: MACRO-RELIEF

### 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 the substance or mixture

Acute Tox. 4; H302  
Eye Dam. 1; H318

### 2.2 Label Elements

#### Pictogram:



Signal Word: Danger

#### Hazard Statements:

H302: Harmful if swallowed  
H318: Causes serious eye damage

#### Precautionary Statements:

P102: Keep out of reach of children  
P270: Do not eat, drink or smoke when using this product  
P280: Wear protective gloves/clothing/eye protection/face protection  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.  
P310: If eye irritation persists: call a doctor  
P501: Dispose of contents/container in accordance with local/national regulations

## 3. COMPOSITION

3.1. Active ingredients: Calcium and amino acids

### 3.2 Dangerous components:

Chemical Name	Identification (CAS #)	Classification n 1272/2008	Concentration % w/w
Calcium nitrate	15245-12-2	Acute Tox. 4 ; H302 Eye Dam. 1; H318	20-40

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- 3.3. EINECS number: -
- 3.4. Molecular weight: -
- 3.5. Description: Water solution of amino acids from natural sources and inorganic salts for agriculture purposes
- 3.6. Systematic name: -
- 3.7. 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. 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. Extinction methods: Use foam, dry chemical, carbon dioxide, water spray, or any other method
- 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 protection 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 section  
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: Store in the original container in a cool, dry and well ventilated area
- 7.3. Specific Uses: Agricultural, turf, and ornamental fertilizer

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## 8. EXPOSURE CONTROL, PERSONAL PROTECTION

- 8.1. **Threshold limit values:** Not available
- 8.2. **Exposure control:** Do not eat, drink or smoke when using this product  
Wear protective gloves/clothing/eye protection/face protection

## 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:** Dark brown  
C **Odor:** Characteristic

#### Important information related to Health, Safety and Environment

- A **pH at 50 g/l H<sub>2</sub>O (20 °C):** 6.5-7.5  
B **Boiling point:** Near 100 °C  
C **Flash point:** Non-flammable  
D **Flammability (solid, gas):** Non-flammable  
E **Explosive properties:** Not available  
F **Steam pressure:** Not available  
G **Density (20 °C):** 1.39 – 1.45 g/ml  
H **Package density:** Not available  
I **Solubility in water (20 °C):** Very soluble  
J **Viscosity:** Not available  
K **Melting point:** Not available  
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. **Ecotoxicity:** Not dangerous for the environment
- 12.2. **Mobility:** Not available
- 12.3. **Persistence and degradability:** Not available
- 12.4. **Bioaccumulation potential:** The product is biodegradable
- 12.5. **Other harmful effects:** Not available

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### 13. WASTE DISPOSAL CONSIDERATIONS

- 13.1. Product:** Dispose of product in accordance with local/national regulations. Do not allow waste disposal through drains or watercourses
- 13.2. Packaging:** Dispose of as unused product

### 14. TRANSPORT INFORMATION

Not Regulated

### 15. REGULATORY INFORMATION

No special measures

### 16. OTHER INFORMATION

This version (May 2015) supersedes version October 2014.

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