

MACRO-SI

Date Prepared: October 2016
Supersedes Date: March 2015

1. IDENTIFICATION OF MATERIAL AND MANUFACTURER

1.1. Identification of material

1.1.1 Name: MACRO-SI 0.5-0-0

1.2. Main uses of the material

Agricultural, turf, and ornamental fertilizer

1.3. Identification of producer

1.3.1 Company: Weldons 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

Corrosive for skin, category 1A
Specific target organ toxicity after single exposure, category 3, STOT SE 3

2.2 Label Elements

Pictogram:



Signal Word: Danger

Hazard Statements:

H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage
H335: May cause respiratory irritation

Precautionary Statements:

P102: Keep out of reach of children
P260: Do not breathe mist, vapors or spray
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.
P303+P361+P353: IF ON SKIN (or hair): Immediately take off all contaminated clothing. Rinse skin with water or shower
P310: Immediately call a POISON CENTER
P501: Dispose of contents/container in accordance with local/national regulations

3. COMPOSITION

3.1 Active ingredients: Amino acids, peptides and silicon

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3.2 Dangerous components:

Chemical Name	Identification (CAS #)	Classification n 1272/2008	Concentration % w/w
Sodium metasilicate pentahydrate	6834-92-0	Corr. Cut./Skin Corr. 1B; H314 – STOT SE 3	10-40

- 3.3. EINECS number: -
- 3.4. Molecular weight: -
- 3.5. Description: Water solution of amino acids and peptides 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

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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: 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: Yellowish Brown

C Odor: Characteristic

Important information related to Health, Safety and Environment

- A pH at 50 g/l H₂O (20 °C): 12.2-13.2
- 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): 1.27 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

- 11.1. Acute toxicity: Not available
- 11.2. Chronic toxicity: Not available
- 11.3. Irritation:
 - Draize eye test: Irritant
 - Primary skin irritancy: Corrosive
- 11.4. Sensitiveness: Not available
- 11.5. Mutagenesis: Not available
- 11.6. Carcinogenesis: Not available
- 11.7. Reproduction toxicity: Not available

12. ECOLOGICAL INFORMATION

No information 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

14.1. Land transport ADR

- Class: 8
- Packing Group: III
- Hazard Identification: 80
- UN Number UN: 3266
- Technical Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S

14.2. Maritime Transport IMDG

- Class: 8
- Packing Group: III
- UN Number: 3266
- Technical Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S

14.3. Air Transport ICAO/IATA

- Class: 8
- Packing Group: III
- UN Number: 3266
- Technical Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S

15. REGULATORY INFORMATION

No data available

16. OTHER INFORMATION

This version (October 2016) supersedes version March 2015.

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