

MACRO-SI

Date Prepared: April 2017
Supersedes Date: March 2017

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

MACRO-SI

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

MACRO-SI

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

MACRO-SI

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

Disclaimer: While the aforementioned information is believed to be accurate and is based upon data from reliable sources. Weldon's Chemical, LLC makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein or the results obtained from the use of this product. In no case shall Weldon's Chemical, LLC be liable for consequential, special or indirect damages resulting from the use or handling of this product. Weldon's Chemical, LLC shall not be liable and any and all claims against Weldon's Chemical, LLC are waived.