

QUELANT® K low pH

Date Prepared: March 2015
Supersedes Date: March 2011

1. IDENTIFICATION OF MATERIAL AND MANUFACTURER

1.1. Identification of material

1.1.1 **Name:** QUELANT K low pH

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:

Corrosive to metals, Cat. 1
Eye irritant, Cat.2

2.2. Label elements:

Pictogram:



Signal word: Warning

Hazard statements:

H290: May be corrosive to metals
H319: Causes serious eye irritation

Precautionary statements:

P102: Keep out of reach of children
P264: Wash thoroughly after handling
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.
P305+P351+P338: If eye irritation persists, get medical advice/attention

3. COMPOSITION

3.1. **Active ingredients:** Amino acids and potassium

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3.2. Dangerous components:

Chemical Name	Identification (CAS #)	Classification n 1272/2008	Concentration % w/w
Formic acid 85%	64-18-6	Eye Irrit. 2 H319 Skin Irrit. 2 H315	25-50
Potassium hydroxide 50%	1310-58-3	Met. Corr. 1a; H290 Acute Tox. 4; H302 Skin Corr 1a; H314	50-75

- 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:** -
- 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. **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

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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

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: Orange
C Odor: Characteristic

Important information related to Health, Safety and Environment

- A pH at 50 g/l H₂O (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: Non-explosive
- F Steam pressure: Not available
- G Density (20 °C): 1.30 – 1.36 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

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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

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 (March 2015) supersedes version March 2011.

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