



0-0-12 Label

Guaranteed Analysis

Total Potassium (K).....12% Potassium

Derived from Soluble Potash & Water

Product Information:

- This product is designed for planter banded applications on corn and soybeans. NOT INTENDED IN-FURROW APPLICATIONS.
- Always perform a jar test to confirm compatibility with tank-mix partners.
- See SDS for first aid recommendations.

Weight per gallon

- 0-0-12 9.25#/gallon



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0-0-12, 0-0-14

Safety Data Sheet

Revision Date: 1/22/24

Version 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Name: 0-0-12, 0-0-14

Product Form: Mixture

Synonyms: 0-0-12, 0-0-14, Liquid Potash

1.2. Intended Use of the Product

Agricultural Industry: Fertilizer

1.3. Name, Address, and Telephone of the Responsible Party

Marco NPK

201 East Benton Street

Clinton, IL 61727

(217) 935-2178

www.marconpk.com

1.4. Emergency Telephone Number

For Transportation Emergencies call Hazmat Response at (800) 229-5252

For Other Emergencies call 911 and/or Appropriate Regulatory Agencies

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US Classification

Not Classified

2.2. Label Elements

GHS-US Labeling:

Not hazardous according to the established criteria.

Hazard Pictograms (GHS-US):

None.

Signal Word (GHS-US):

None.

Hazard Statements (GHS-US):

This mixture does not meet the criteria for classification.

Precautionary Statements (GHS-US):

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P280 - Wear protective gloves, protective clothing, and eye 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.

P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3. Other Hazards

None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Potassium Chloride	(CAS No) 7447-40-7	Proprietary	
Sodium Chloride	(CAS No) 7647-14-5	>1.0%	

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation:	Not applicable
Skin Contact:	If irritation occurs, wash with soap and water
Eye Contact:	Promptly flush with water for at least 15 minutes
Ingestion:	Only conscious, drink ample water

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Non-flammable. Material will not burn. Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media: None known.

5.2. Special Hazards Arising From the Substance or Mixture

Flash Point: Non-combustible

Auto Ignition Temperature: Not applicable

Flammable Limits: Non-combustible

5.3. Advice for Firefighters

Other information: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

6.1.1. For Non-Emergency Personnel

Protective Equipment: Wear suitable protective clothing, gloves and eye/face protection.

Emergency Procedures: Contain any spills with dikes or absorbents and/or dilute with water.

6.1.2. For Emergency Personnel

Protective Equipment: Wear suitable protective clothing, gloves and eye/face protection.

Emergency Procedures: If possible, stop flow of product. Contain any spills with dikes or absorbents and/or dilute with water.

6.2. Environmental Precautions

None

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents and/or dilute with water.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material, then place in suitable container.

6.4. Reference to Other Sections

No additional information available.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store product in its original, labeled container in a cool, dry place out of reach of children and pets

Storage Temperatures: Do not let product freeze or reach temperatures greater than 110° F

7.3. Specific End Use(s)

Agricultural Industry: Fertilizer

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

There are no established Exposure limits.

8.2. Exposure Controls

Appropriate Engineering Controls:
Personal Protective Equipment:

Ensure adequate ventilation, especially in confined areas.
Gloves. Safety glasses. Protective clothing.



Materials for Protective Clothing:

Hand Protection:

Eye Protection:

Skin and Body Protection:

Chemically resistant materials and fabrics.

Wear chemically resistant protective gloves.

Chemical goggles or safety glasses.

Handle in accordance with good industrial hygiene and safety practice.
Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Respiratory Protection:

Not required for normal conditions of use.

Environmental Exposure Controls:

Ensure adequate ventilation, especially in confined areas.

Other Protective Equipment:

Washing facilities should be available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State:	Liquid
Appearance:	Clear Liquid
Odor:	None
Odor Threshold:	Not available
pH:	5.4
Evaporation Rate:	Not available
Melting Point:	Not available
Freezing Point:	Not available
Boiling Point:	Not available
Flash Point:	Not available
Auto-ignition Temperature:	Not available
Decomposition Temperature:	Not available
Flammability (solid, gas):	Not available
Lower Flammable Limit:	Not available
Upper Flammable Limit:	Not available
Vapor Pressure:	Not available
Relative Vapor Density at 20C:	Not available
Specific Gravity	Not available
Solubility:	100%
Partition Coefficient: N-Octanol/Water:	Not available
Viscosity:	Not available
Explosion Properties:	None known

SECTION 10: STABILITY AND REACTIVITY

- | | |
|---|---|
| 10.1. Reactivity: | Stable at ambient temperature and under normal conditions of use. |
| 10.2. Chemical Stability: | Stable at standard temperature and pressure. |
| 10.3. Possibility of Hazardous Reactions: | Hazardous polymerization will not occur. |
| 10.4. Conditions to Avoid: | Excessive heat, contact with strong alkalis, oxidizers, and reducing agents, fuels and other combustible materials. |
| 10.5. Incompatible Materials: | Strong alkalis, oxidizers, reducing agents, fuels and combustible materials. |
| 10.6. Hazardous Decomposition Products: | None. |

SECTION 11: TOXICOLOGICAL INFORMATION

LD50 and LC50 Data:

Potassium Chloride (7447-40-7)	
LD50 Oral Rate (rat, oral)	2600 mg/kg
LD50 Oral Rate (mouse, oral)	1500 mg/kg
Water (7732-18-5)	
LD50 Oral Rate	>90000 mg/kg
Sodium Chloride (7647-14-5)	
LD50 Oral Rate (rat, oral)	3000 mg/kg
LD50 Oral Rate (mouse, oral)	4000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

12.1. Environmental Precautions:

Dissolution of large quantities of potassium chloride and sodium chloride in water may create an elevated level of salinity that may be harmful to fresh water aquatic species and to plants that are not salt-tolerant.

Potassium Chloride:

Lepomis macrochirus LC50 - 2010 mg/l

Physa heterostrapha LC50 - 940 mg/l

Scenedesmus subspicatus EC50 - 2500 mg/l

Sodium Chloride:

Ceriodaphnia dubia LC50 - 280,000 - 3,540,000 ug/l

Daphnia magna LC50 - 3,144,000 - 10,000,000 ug/l

Daphnia pulex EC50 - 56.40 mM

Pimephales promelas LD50 - 6,020,000 - 10,000,000 ug/l

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

This material, if discarded as produced, is not an RCRA "listed" or "characteristic" hazardous waste. Contamination may subject it to hazardous waste regulations. It is the generator's responsibility to properly characterize all waste materials. Consult federal, state/provincial and local regulations regarding the proper disposal of this material.

SECTION 14: TRANSPORT INFORMATION

- | | |
|-------------------------------|-----------------------------|
| 14.1. In Accordance with DOT | Not regulated for transport |
| 14.2. In Accordance with IMDG | Not regulated for transport |
| 14.3. In Accordance with IATA | Not regulated for transport |
| 14.4. In Accordance with TDG | Not regulated for transport |

SECTION 15: REGULATORY INFORMATION

Not Applicable

SECTION 16: OTHER INFORMATION

- NFPA Health Hazard:** 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
- NFPA Fire Hazard:** 0 - Materials that will not burn.
- NFPA Reactivity:** 0 - Normally stable, even under fire exposure conditions, and area not reactive with water.



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