

Issue date: 04/12/2019
1st edition

SAFETY DATA SHEET

Material Safety Data Sheet

Safety Data Sheet according to regulation No 1907/2006/EU, as it has been adjusted and is currently in vigor.

1 – Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: HP MKP 12-61-0 (Monopotassium Phosphate)

Catalogue No.: PR.116.014

1.2 Relevant identified uses of the substance or mixture and non-indicated uses

Identified uses: Fertilizer

1.3 Details of the supplier of the safety data sheet

Company Identity: DEMIRTZOGLOU & ASSOCIATES SA

Address: 1 Ermou & Theotokopoulou str.,

ZIP. 144 52, Metamorphosis

Telephone: +30 210 284 5891

email : info@humofert.gr

1.4 Emergency call number:

Poison Center num: +30 210 7793777

2 – Hazards identification

2.1 Classification of the substance or mixture

According to Regulation (EC) No 1272/2008 (CLP):

The product is not classified.

2.2 Labeling

According to Regulation (EC) No 1272/2008 (CLP):

The product does not need to be labelled.

2.3 Other hazards

According to Regulation (EC) No 1272/2008 (CLP):

Not known.

3 - Composition / Information on ingredients

3.1 Substance:

4 – First aid measures

4.1 First aids

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. There are no hazards requiring first aids, however, people suffering of acute allergies may (rarely) express asthma. If the victim breaths with difficulty, remove them to the open air (if necessary, provide oxygen) and seek medical advice.

Swallowing: Drink a lot of water. Do not induce vomiting. Do not give anything through the mouth to the unconscious person. If symptoms persist, seek medical advice. Immediately call a POISON CENTER or doctor/physician.

Skin contact: Wash with soap and plenty of water for about 15 minutes. Remove immediately all contaminated clothing and shoes. Wash the shoes before putting them on. Seek medical advice for dermatitis cure.

Eye contact: Rinse with water for about 15 minutes, above and below the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist, seek medical advice.

4.2 Most significant symptoms and impacts, acute or subsequent

Symptoms: Not known.

4.3 Indication of any required immediate medical treatment and special cure

Treat symptomatically. No specific antidote is known.

5 – Fire fighting measures

5.1 Extinguishing means

Suitable extinguishing means: Water (spray), dry powder, foam, water sprayers, carbon dioxide foam.

5.2 Special hazards arising from the substance or mixture

Not known.

5.3 Recommendations to the firemen

In case of fire put on a suitable fire-extinguishing-protective equipment and a self-contained breathing apparatus.

Additional information: This product is not combustible. During fire extinction take into consideration the local circumstances and the surrounding environment. Contaminated fire-extinguishing water must be discarded according to the official regulations.

6 – Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: It is recommended to use protective gloves (protection according to EN374). Use work uniform. Avoid contact with skin, eyes and mouth.

6.2 Environmental Precautions

Special precautions relevant to dust are required.

6.3 Methods and materials for restriction and cleaning

Methods for cleaning up: In case product is spilled, sweep immediately with a broom or dustpan. Avoid mixing the dust. Sweep while wetting in order to reduce hovering dust. In case of contact with the skin, wash your skin with soap and water. Transfer the waste in suitable (labeled) containers for obliteration.

6.4 Reference to other sections

More information in sections: 7 for handling, 8 for personal protection and 13 for disposal.

7 – Handling and Storage

7.1 Protections for safe handling

Recommendation for safe handling: Avoid contact with eyes and skin. Handle in accordance with good industrial hygiene and safety practice.

Recommendation for fire prevention and explosion protection: No special precautions are required for fire prevention.

7.2 Safe storage conditions, including possible non-compatibilities

Storage and packaging requirements: Store the product with its label on it, tightly closed. Store the product in a cool, dry and well-ventilated place. It must be stored separately from food. It is not a hazardous product if transferred according to the proper rules of transport (P405), (P403+P233).

Storage recommendation: the product should be stored separately from food.

Other clues: It is not a hazardous product if transferred according to the proper rules of transport.

8 – Exposure Control

8.1 Control parameters

Components with occupational exposure limit values

Not known occupational exposure limit values. The general limit value for dust should be obeyed.

8.2 Exposure controls

Individual protection measures:

Eyes/face protection: Use appropriate protective glasses (EN166).

Hands protection: It is recommended to use appropriate protective gloves when using the product (The selected protective gloves must satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 deriving from it).

Respiratory system protection: Be sure to work in well ventilated area. In case inhalable dust is formed, you should use a dust protective filter mask (EN 143 or 149, type P1 or FFP1).

Personal hygiene measures: Avoid contact with eyes, skin and clothing. The use of self-contained work uniform is recommended. It is not allowed to drink or smoke or use smoke in the working area. Work clothes should be stored away from foods and drinks. Handle in accordance with good industrial hygiene and safety practice.

9 – Physical and chemical properties

9.1 Basic physical and chemical properties information

Form :	Granular powder
Color :	White
Odor :	Odorless
pH:	No information available
Boiling point :	400 °C (752 F)
Melting point:	253 °C (487 F)
Flammability temperature:	Not flammable
Flash point:	>>
Vaporization rate:	Not volatile
Flammability:	Not combustible
Lower explosion limit:	Not applicable
Upper explosion limit :	>>
Vapour pressure:	>>
Density (25°C):	2.34 g/ml
Solubility(25°C):	22g/100 ml water
Oxidizing properties:	Not oxidizing
Viscosity :	No information available

9.2 Other information

10 – Stability and reactivity

Stable product under the recommended handling and storage conditions (section 7).

10.1 Reactivity

Stable product

10.2 Chemical Stability

Stable product under the recommended handling and storage conditions (section 7).

10.3 Hazardous reactions possibility

Not known.

10.4 Conditions to avoid

Not known.

10.5 Not compatible materials

Not known.

10.6 Hazardous decomposition products

In case of fire harmful phosphorus oxides may be emitted.

11 – Toxicological information

11.1 Information about toxicological effects

The product has been tested. The product is not irritating, corrosive and it does not provoke any acute or long-lasting toxicity:

LD50 oral (rat): >2000 mg/kg of body weight (EU Method B1)

LD50 dermal (rabbit): >2000 mg/kg of body weight (EU Method B3)

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NOEL (reproductive toxicity) > 320 mg/kg of body weight/day (OECD Guideline 421)

12 – Ecological information

12.1 Toxicity

Evaluation of the toxicity in aquatic environments: The product does not demonstrate toxic effect. These declarations derive from tests.

LC50 (fish) = 100 mg/l

EC50/48 hours (on daphnias and other aquatic invertebrates) > 100 mg/l

EC50/75 hours (on aquatic plants-seaweeds) = 100 mg/l

EC50/48 hours (on aquatic plants-seaweeds) = 300 mg/l

12.2 Persistence and degradability

The product has been tested. It does not demonstrate persistence. It is degradable.

12.3 Bioaccumulation potential

The product has been tested. No bioaccumulation occurs in organisms.

12.4 Results of PBT and vPvB assessment

The product has been tested. The product does not meet the criteria in order to be classified as PBTs (persistent, bioaccumulative and toxic) and vPvBs (very persistent and very bioaccumulative), since the single ingredients do not meet the criteria.

12.5 Other negative effects

The product has been tested. The product does not destroy the ozone layer.

13 – Information regarding disposal

Chemical waste material must be disposed according to the directive 2008/98/EC about wastes as well as to the relative national regulations.

Packages must be disposed according to the special regulations of each country or must be returned to packages recycling entity (P501).

Wastes from leftovers/ unused products: where possible, recycling is preferred to disposal or burning. Collection and disposal of wastes at an approved disposal installation. Dispose according to the local regulations.

Contaminated packages: Dispose according to the local regulations.

14 – Transform information

	14.1. UN Number	14.2. Familiar expediti on name accordin g UN	14.3. Danger order/orders during transportatio n	14.4. Packaging group	14.5. Environmental hazards
Land transport	-	-	-	-	-

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ADR /RID					
Sea transport ADN	-	-	-	-	-
Sea transport IMDG	-	-	-	-	-
Air transport IATA/ICAO	-	-	-	-	-

14.6 Special precautions for the user

Not known.

14.7 Transportation of bulk material according to Appendix II of MARPOL contract 73/78 and of code IBC.

Not applicable.

15 – Regulatory information

This MSDS complies with the Regulation No 1907/2006/EU (REACH) & the Regulation (EU) No.1272/2008 [CLP].

15.1 Regulations/ legislation concerning safety, health and environment about the substance or the mixture

There is no information available.

15.2 Chemical safety evaluation

There has not been conducted a chemical safety evaluation by the supplier according to Regulation No 1907/2006/EU (REACH).

16 – Other information

The Safety data sheet should be used in combination with the technical documentation of the product. The Safety data sheet is prepared based on information collected up to the day that the Safety Data Sheet is written. It is a guide for the safe use, distribution, storage and transport of the product and it does not intend to provide any warning or detailed description. This information is relevant only for the product. If the product is combined with other material or in procedures other than the ones described this safety data sheet may not be applicable. The Safety data sheet meets the risk criteria of the Regulations of the Tested Products according to the directives of the European Union.