

# SAFETY DATA SHEET

*in accordance with amended directive 9111551CEE*

Created on : 15/0512006 Rev 10/10/10

Version: 2.0

Trade name:

## Muriate of Potash (MOP)

### 1. Identification of the substance / preparation and of the company / undertaking.

Product name: **MOP 0-0-62**

Supplier / Distributor: Agrium Europe S.A.  
 Avenue Louise 326  
 Bte 36  
 B-1050 BRUXELLES - Belgique  
 Tel. : +32 (0)2 646 70 00  
 Fax: +32 (0)2 646 68 60

Use: Mineral fertilizer for agriculture

Emergency contact: National Chemical Emergency Center  
 Abington  
 Oxfordshire - United Kingdom  
 Tel: +44.208.762.8322

### 2. Composition / information on ingredients:

Chemical designation of preparation:  
 Pure mineral compound (>95%)

Ingredients leading to classification:

Contains: Potassium chloride

CAS: 7447-40-7 EINECS: 231-211-8

This substance is not regulated.

### 3. Hazards identification

European classification: This preparation is not governed by European Directives 67/548/EEC and 1999/45/EC, their adaptations and annexes.

For human: Prolonged contact with the skin or eyes can cause irritation. In case of large inhalation product dust can cause irritation of the respiratory tract.

For the environment: No known hazard.

### 4. First aid measures

Inhalation: If the dust is inhaled, take the person out into the fresh air. Seek medical advice if person is ill.

Skin contact: Wash with plenty of soap and water.

Eye contact: Thoroughly rinse with water keeping the eyes wide open. Consult an eye specialist if irritation appears.

Swallowing: If the person is conscious, rinse the mouth, make him drink several glasses of water, do not try to induce vomiting. Seek medical advice if the person is ill.

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### 5. Fire-fighting measures

Exinction methods:	Sprayed water, chemical powder, foam or CO <sub>2</sub> , as appropriate for surrounding combustible material..
Not advised:	None.
Particular risks in the event of fire:	Non combustible but possible formation of decomposition products may cause emission of harmful or toxic gases. See chapter 10.
Special equipment:	Wear self contained breathing apparatus.
Other information:	Avoid pouring fire water down the drains.

### 6. Accidental release measures

Individual precautions for spillage / leakage :	If possible avoid contact with eyes. Personal precautions see Chapter 8.
Cleaning up / absorption:	Scrape up the product with a shovel and put it in a container, it can always be used if the product is not contaminated or forward for disposal. Clean up affected area with plenty of water.
Environmental protection precautions:	Do not discharge the recovered product or clean-up water into the Environment, take steps to contain it.

### 7. Handling and storage

Handling:	No special measures to take when the product is well handled. Avoid the generation of dusts. Wash apparatus after use.
Storage:	Store containers tightly closed in a cool place, in a well-ventilated place. The product in bulk must be covered because of moisture. Recommended packaging materials are plastic material (polypropylene or polyethylene).

### 8. Exposure controls / personal protection

Specific control parameters:	The product does not contain any constituent with known European Exposure Limits.	
Technical measures:	Ventilation of work place.	
Individual protection equipment:	Respiratory protection:	Possibly protective mask.
	Handling protection:	Gloves.
	Eye protection :	Safety glasses.
Industrial hygiene:	Wash hands after working with the product.	

### 9. Physical and chemical properties

Form:	Solid in pellets
Colour:	Red to pink, to white depending on origin.
Odour:	Odourless

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pH value:	5,5 to 8 (solution at 10%)	
Stage changes:	Melting point/range	undetermined
	Boiling point:	not applicable
Flash point:	Not applicable	
Ignition temperature:	Not applicable	
Explosive limits:	Lower	undetermined
	Upper:	Not applicable
Density (kg/dm <sup>3</sup> ):	1,9 at 20°C	
Water solubility:	Soluble (about 350 g/L)	
Log P(o/w):	Undetermined	

**10.-Stability and reactivity**

Stability:	The product is stable.
Conditions to avoid:	None when applied and handled in accordance with conditions for use.
Substances to be avoided:	Strong oxydizers, hypochlorites, perchlorates, (metallic powder, copper, zinc, and their alloys).
Hazardous decomposition products:	At high temperatures: (> 250°C) : Possible formation of HCl.
Further data:	The mixture is slightly hygroscopic. Contact with water may induce corrosion of metals.

**11. Toxicological information**

Acute toxicity:	LD <sub>50</sub> oral (rat) : 2600 - 3000 mg/kg (RTECS)
Sub-acute or chronic toxicity:	The substance is not recorded on the IARC carcinogenic products lists.
Toxicological information:	If the dust is inhaled: Irritation of the respiratory tracts, cough. In case of prolonged contact with the skin: Possible irritation. After eye contact: Possible irritation. After ingestion: Possible pain in the esophagus and stomach.
Other information:	None.

**12. Ecological information**

Formulation data:	Mobility: chloride and potassium ions are absorbed by soil. Soluble chlorides not absorbed pass into the aqueous phase.
	Degradability: The mixture is easily degradable by plants.
	Bio accumulation: Nothing known for ground and water organisms.
	Ecotoxicological effects: The mixture is slightly toxic for water life. Large discharge of into stagnant water or on land can cause salt ion effects.

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Other information about ecology: There is no risk of any ecological problems when appropriately handled and used.

### 13. Disposal considerations

Product disposal: Using the product correctly should not generate waste.

Packaging Disposal: Disposal by incinerating or upgrading the material by recycling after disposing of product residue by washing with water.

### 14. Transport information

Shipping regulations:	ADR/RID/ADNR	IMDG/OMI	IATA/ICAO
Class:	Not classified	Not classified	Not classified

### 15. Regulatory Information

Labelling in accordance with EC directives and adapted versions of them:

This preparation is concerned by European laws; it is labelled according to 99/45/EC Directive and rules in force.1999/45.

Symbol(s): None  
 R-phrases: None  
 S-phrases: None.

The substance is listed in the European EINECS substances inventory.

Regulation according to EC fertilizer directives: European regulation 2003/2003/EC: obligatory information for packaging.

EC-No: 231-211-8

### 16. Other-information

Regulatory phrases mentioned into chapters 2 and 3: None

Origin: This data sheet was based on information supplied by the distributor.

This sheet does not replace using the technical notice but completes it. The information given herein is based on the present state of our knowledge and our experiences about this product involved at the time of updating. It is provided in good faith. The attention of users moreover is drawn to possible risks encountered if this product is used for purposes other than those for which it was designed. Under no circumstances does this sheet release users from knowing and applying all regulations governing their businesses.