

Trade name

**Fertilizer NP (MAP)****1. Identification of the substance / preparation and of the company / undertaking**Product name: **Compound fertilizer NP 11-46-0 (MAP)**

Supplier :

Distributor :

Agrium Europe S.A.  
Avenue Louise 326  
Bte 36  
B – 1050  
BRUXELLES – Belgique +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 characteristic of the product :  
Inorganic compound with complex inorganic impurities.

Salt contained in the mixture mainly contain the following ions

Phosphate :  $\text{H}_2\text{PO}_4^-$  Ammonium :  $\text{NH}_4^+$ 

Main impurities contain the following ions :

Sulphate :  $\text{SO}_4^{2-}$ **3. Hazards identification**

European classification : This preparation is not governed by European directives 67/548/CE and 1999/45/CE, their adapted versions and their appendices.

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

For the environment : In the event of fire, avoid the discharge of surface or ground water into the sewers.

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*in accordance with amended directive 91/155/CEE*

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### 4. First aid measures

Inhalation : If the dust is inhaled, take the person out into the fresh air, keep warm and relaxed

Skin contact : Wash with 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, make him drink several glasses of water, do not try to induce vomiting. Seek medical advice if the person is ill.

### 5. Fire-fighting measures

Appropriate extinction methods: Sprayed water – Powder – Foam – Sand - CO2

Not advised : None

Particular risks in the event of fire : Non combustible  
Refer to heading 10 in this document.

Special maintenance equipment: Wearing individual breathing apparatus recommended.

Attached information : Avoid pouring fire water down the drains.

### 6. Accidental release measures

Individual precautions for spillage / leakage : If possible avoid contact with eyes.

Cleaning up / absorption: Scrape up the product with a shovel and put it in a container, it can always be used.  
Clean up affected area with plenty of water.

Environmental protection precautions : Do not discharge the recovered product as is into the Environment, take steps to disperse it.

### 7. Handling and storage

Handling: No special measures for handling in accordance with the instructions for use.

Storage: Store containers or bags well protected from damp.  
Recommended packaging materials: Plastic material (polypropylene or polyethylene) or stainless steel.

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## 8. Exposure controls/personal protection

Specific control parameters : Dust of product: VME 10 mg/m<sup>3</sup>  
Individual protection equipment: Respiratory protection: Possibly protective mask  
Hand protection: Possibly gloves  
Eye protection : All round goggles  
Work hygiene: Wash your hands after work. Do not drink, eat or smoke at the work site. Do not use soiled clothes without washing them.

## 9. Physical and chemical properties

Form: Solid pellets  
Color : Grey  
Odour : Slightly of ammonia  
pH value : Approximately 8  
Stage changes : Melting point/range Superior to 190°C (decomposition)  
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>) : Approximately 1,6 at 20°C  
Water solubility : Very soluble  
Log P(o/w): Not applicable

## 10. Stability and reactivity

Stability : The product is stable under normal conditions of use.  
Conditions to avoid : None when applied and handled in accordance with conditions for use  
Incompatible materials: None to our knowledge  
Hazardous decomposition products : At high temperatures: formation of PO(x) and NH<sub>3</sub>.  
NH<sub>3</sub> formed by contact with highly alkaline products  
Further data : The product is hygroscopic

## 11. Toxicological information

Acute toxicity : LD50 by the mouth (rat) undetermined  
Long term toxicity : None of the main components is recorded on the IARC carcinogenic products lists.  
Toxicological information : If the dust is inhaled: Irritation of the respiratory tracts.  
After skin contact : No irritation.  
After eye contact: Possible irritation.

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After ingestion: possible oesophagus and stomach pains, vomiting, and diarrhea .

Other information:

### 12. Ecological information

Formulation data

Mobility :

Phosphates, sulphates and ammonium ions are absorbed by soil.

Soluble sulphates not absorbed change to aqueous phase

Degradability :

The product is readily biodegradable

Bio accumulation :

Nothing known for ground and water organisms

Ecotoxicological effects:

The mixture is hardly toxic for water life.

Large discharge of phosphates into stagnant water can cause eutrophication.

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
PRODUCT NOT SUBJECT TO SHIPMENT REQUIREMENTS.			

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### 15. Regulatory information

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

This mixture is not concerned by European laws, it is labelled according to EC Directives and rules in force.

Its principal component is included in EINECS, European inventory of substances.

Regulation according to EC fertilizer directives :

European regulation 2003/2003/EC (replace the Directive 76/116/EC and its additional directives) : obligatory information for packaging.

EC-No.:

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### 16. Other information

Regulatory phrases mentioned into chapters 2 et 3 :

None

Origin :

This sheet was prepared on the basis of information provided and updated by the manufacturer.

This sheet rounds off the technical instructions but does not replace them. The information given above is based on the present state of our knowledge and experience relating to the 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.