

SAFETY DATA SHEET

1 IDENTIFICATION OF SUBSTANCE/PREPARATION AND THE SUPPLYING COMPANY:

PRODUCT NAME: PK 13-14-TE

PRODUCT CODE: 021

SUPPLIER: Agrotechniek Metrop,
Postbus 169,
3400 AD IJsselstein UT,
Netherlands.
Tel.: + 31 (0)30 6877 274
Fax.: + 31 (0)30 6877 423
Email: info@metrop.nl.

2 COMPOSITION/INFORMATION ON INGREDIENTS:

-

CHEMICAL DESCRIPTION: Water soluble foliar fertiliser containing potassium phosphate and EDTA-chelates of iron, magnesium and copper in an inert soluble suspending gel.

CHEMICAL NAME:

CHEMICAL FORMULA:

N	P₂O₅	K₂O	MgO	S	Fe	Mn	Zn
Cu	B	Co	Mo				
0.0%	13.0%	14.0%	0.020%	0.0%	0.173%	0.087%	0.087%
0.087%	0.035%	0.0012%	0.0012%				

3 **HEALTH HAZARDS:**

-

PK 13-14-TE is of low toxicity but may cause skin irritation to the sensitive.

SKIN CONTACT:	Prolonged contact may cause some irritation
EYE CONTACT:	May cause irritation following prolonged contact.
INGESTION:	Small amounts are unlikely to cause toxic effects
INHALATION:	Spray has low toxicity. High concentrations of airborne material cause some irritation with sore throat and coughing.
LONG-TERM:	No adverse long-term effects known
OEL:	No specific HSE Occupational Exposure Limits.

4 **FIRST AID MEASURES:**

INHALATION:	Remove from source of spray exposure or decomposition fumes. Keep warm and rest. Obtain medical advice if symptoms persist or if decomposition fumes have been inhaled, when medical observation should be maintained for 48 hours.
SKIN CONTACT:	Wash with water. Wash area in contact with molten material copiously with cold water and seek medical advice.
EYE CONTACT:	Irrigate with copious water for 10 minutes. Obtain medical advice if symptoms persist.
INGESTION:	Do not induce vomiting. Give milk or water to drink. Obtain medical advice if symptoms persist.

5 **FIRE FIGHTING MEASURES:**

Not combustible. Water evaporates when heated strongly. After complete evaporation a solid or molten mass may form which, on further heating, decomposes giving off fumes containing oxides of phosphorus and carbon.

SKIN CONTACT:

Molten material causes burns

INHALATION:

Decomposition gases may cause serious delayed lung effects

6 ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTIONS:

ENVIRONMENTAL PROTECTION:

Spillages onto road surfaces create hazardous slippery conditions. Small spillages should be diluted with water promptly. Take care to avoid contamination of sewer or water supplied and inform appropriate water authority if necessary. Alternatively absorb on inert material and dispose of in accordance with local regulations. Inform police if road surfaces have been made slippery.

7 HANDLING AND STORAGE:

Product should be stored in frost-free conditions. Part used containers must be tightly sealed. Shake before use. Disperse into spray tank by washing through top filter. Do not allow fertiliser or water containing the fertiliser to run into water courses. Wear rubber gloves when handling the product over long time periods and protect eyes from splashes of the concentrate

8 EXPOSURE CONTROLS/PERSONAL PROTECTION:

RESPIRATORY PROTECTION: Not necessary

PROTECTIVE EQUIPMENT: Wear suitable glove when handling the product over long periods of time and eye protection

SPECIAL EQUIPMENT: None

9 PHYSICAL AND CHEMICAL PROPERTIES:

FORM: Green thick liquid

ODOUR: None

pH (10% solution): 6.5 – 7.5

FLASH POINT: None

FLAMMABILITY: Non flammable

REACTIONS: Forms insolubles with magnesium salts

SPECIFIC GRAVITY: 1.27 at 18°C

SOLUBILITY IN WATER: Good

10 STABILITY AND REACTIVITY

STABILITY: Stable in normal conditions

CONDITIONS TO AVOID: Extremes of temperature

HAZARDOUS DECOMPOSITION

PRODUCTS: Carbon and Phosphorus Oxides

MATERIALS TO AVOID: Magnesium Salts – Forms insoluble magnesium phosphates.

11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: None known

LOCAL EFFECTS: None known

12 ECOLOGICAL INFORMATION

Biodegradable

13 DISPOSAL CONSIDERATIONS:

-

Treat as for spillages

-

14 TRANSPORT INFORMATION:

-

IMCO classification: Non-hazardous

Products create slippery surface if split, take care to avoid spillages.

15 REGULATORY INFORMATION:

None required

16 OTHER INFORMATION

-

The information in this safety data sheet was prepared according to EC directive 93/112/EC and is correct to the best of this Company's knowledge at the date of publishing. The user must be satisfied that the product is entirely suitable for its purpose. This information is based on the requirements for the intended use of the product. The company accepts no liability for any loss or damage resulting from reliance on this information.

