

SAFETY DATA SHEET

1 IDENTIFICATION OF SUBSTANCE/PREPARATION AND THE SUPPLYING COMPANY:

PRODUCT NAME: MAM 20

PRODUCT CODE: 020

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 fertiliser containing magnesium nitrate, ammonium phosphate, potassium nitrate, ammonium nitrate, boric acid, sodium molybdate and EDTA-chelates of iron, manganese, copper, zinc and cobalt in an inert soluble suspending gel. Seaweed Extract. (18.7%wt/wt)

CHEMICAL NAME:

CHEMICAL FORMULA: Analysis %

	N	P2O5	K ₂ O	MgO	S	Fe	Mn	Zn	Cu	B	Co
Mo											
W/V	20.0	20.0	20.0	1.50	0.00	0.146		0.073		0.073	0.073
	0.029		0.0012	0.0012							
W/W	13.2	13.2	13.2	1.00	0.00	0.096	0.048		0.048	0.048	0.019

0.0008 0.0008

3 HAZARDS IDENTIFICATION:

Metrop MAM 20 contains no substances classified as hazardous to health according to EC directive.

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. Low concentrations of airborne material cause sore throat and coughing
LONG-TERM:	No adverse long-term effects known
OEL:	No specific HSE Occupational Exposure Limits.

4 FIRST AID MEASURES:

INHALATION: below	Liquid product, unlikely to be inhaled: see ingestion
SKIN CONTACT:	Wash skin with water
EYE CONTACT: advice	Irrigate with water. In case of irritation seek medical
INGESTION:	Drink water. Do NOT induce vomiting

5 FIRE FIGHTING MEASURES:

Not combustible. Water evaporates when heated strongly and ammonia is liberated. After complete evaporation a solid or molten mass may form which, on further heating decomposes giving off toxic fumes containing ammonia and nitrous oxides.

SKIN CONTACT: Molten material causes burns.

INHALATION: Decomposition gases may cause serious delayed lung effects

6 ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTIONS: No special precautions required

ENVIRONMENTAL PROTECTION: Small spillages should be diluted with water promptly. Take care to avoid contamination of sewer or water courses and if large quantities are spilled inform the water company or Environment Agency if necessary. Inform Police if road surfaces have become 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 gloves when handling the product over long periods of time and eye protection
SPECIAL EQUIPMENT:	None

9 PHYSICAL AND CHEMICAL PROPERTIES:

FORM:	Thick green liquid
ODOUR:	Trace of ammonia
pH:	5.0 +/- 0.5
FLAMMABILITY:	Non-flammable
FLASH POINT:	None
SPECIFIC GRAVITY:	1.50 +/-0.02 at 18°C
SOLUBILITY:	Complete
REACTIONS:	Liberates ammonia when in contact with alkalis and form insolubles.

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10 STABILITY AND REACTIVITY

STABILITY:	Stable in normal conditions
CONDITIONS TO AVOID:	Extremes of temperature
HAZARDOUS DECOMPOSITION PRODUCTS:	Ammonia, Nitrous Oxides
MATERIALS TO AVOID:	Alkalis

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 it's 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.