

## PRODUCT HEALTH & SAFETY DATA

### ***Nitrogen, phosphate & potash liquid fertilisers*** ***– including formulations with organic stimulants, secondary and trace elements***

(Components are tailored to individual formulations but all share the same COSHH recommendations)

#### 1.0 DESCRIPTION

1.1 **Commercial characterisation:** Horticultural liquid fertilisers

1.2 **Form:** Aqueous solutions

#### 1.4 **Components:**

Nitrogen: urea, methylene urea, ammonium sulphate

Phosphate: ammonium phosphate

Potash: potassium chloride, potassium carbonate

Other nutrients: magnesium sulphate, ferrous sulphate, ferric chloride, ferric ammonium EDTA, calcium nitrate, manganese sulphate, citric acid, yucca extract, seaweed extract, humic acid

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#### 2.0 PHYSICAL AND SAFETY DATA

2.1	Change in physical state:	Pour point	n/a
2.2	Bulk density:	1100 - 1400	kg/m <sup>3</sup> depending on formulation
2.3	Vapour pressure:	n/a	
2.4	Viscosity:	n/a	
2.5	Solubility in water:	Completely soluble components	
2.6	pH value:	2.0 – 10.0	depending on formulation
2.7	Flash point:	Non flammable	
2.8	Ignition temperature:	Not known	
2.9	Explosion limits:	Lower: n/a	Upper: n/a
2.10	Thermal decomposition:	Toxic fumes above 130 °C	
2.11	Hazardous decomposition products:	Ammonia, isocyanic acid, nitrogen oxides, sulphur oxides, chlorine	
2.12	Hazardous reactions:	With strong oxidising agents, strong acids, strong bases, hypochlorites, aldehydes, allyl chloride	
2.13	Further information:		

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3.0 **TRANSPORT:** GGVSee/IMDG code: UN No: ICAO/IATA-DGR:  
GGVE/GGVS: RID/ADR: ADNR:  
Other information: Not listed in any of the above.

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4.0 **REGULATIONS:** Not classified as hazardous.

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### 5.0 PROTECTIVE MEASURES, STORAGE AND HANDLING

5.1 Technical storage measures: Avoid prolonged contact with metals. Keep frost free in storage.

5.2 Personal protective equipment: Respiratory protection:  
Hand Protection: Gloves  
Eye protection: Safety glasses  
Other: Overalls to prevent skin contact

5.3 Industrial hygiene: Avoid prolonged skin contact. Wash hands before eating.

5.4 Fire and explosion protection: No special precautions required.

5.5 Disposal: In accordance with Local Authority/Environment Agency regulations.

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### 6.0 MEASURES IN CASE OF ACCIDENTS AND FIRE

6.1 After spillage/leakage: Contain spillages with sand.  
Wet residues are slippery. Wash floor to remove traces.

6.2 Extinguishing media: CO<sub>2</sub>, water spray. Do not smother with foam or sand.

6.3 Fire-fighting precautions: Respiratory and eye protection for personnel

6.4 First Aid: Skin contact: Wash to remove contamination.  
Eye contact: Irrigate thoroughly with water for 10 minutes. Seek medical advice if irritation persists  
Ingestion: Essentially non-toxic in small quantities; give water to drink. If large quantities ingested, induce vomiting and seek medical advice.

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7.0 Information on toxicity: Formulations are essentially non-toxic in normal use.

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8.0 Information on ecological effects    Components are biodegradable. Avoid pollution of watercourses.

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The information contained in this leaflet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up-to-date information at the time of publication. Providing our products are handled and used in accordance with the label instructions, they should offer no hazard to health or safety.

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