

PRODUCT HEALTH & SAFETY DATA

Liquid seaweed and humic acid formulations – including products with added nutrients

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

1.0 DESCRIPTION

1.1 **Commercial characterisation:** Horticultural liquid fertiliser

1.2 **Form:** Brown aqueous solutions

1.4 **Components:**

Organic biostimulants: seaweed extract, humic acid

Nitrogen: urea, ammonium sulphate

Potash: potassium carbonate

Other nutrients: ferrous sulphate, ferric chloride, ferric ammonium EDTA, manganese sulphate, citric acid, yucca extract

2.0 PHYSICAL AND SAFETY DATA

2.1	Change in physical state:	Pour point	n/a
2.2	Bulk density:	1000 - 1200	kg/m ³ 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:	7.0 – 9.5	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:		

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.

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

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.

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: CO₂, 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 vomiting and drink. If large quantities ingested, induce seek medical advice.

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

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

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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