

Material Safety Data Sheet

Date prepared: 23 February 2006

Date revised: (first edition)

1. Identification of the Substance/Preparation and the Company/Undertaking

Substance or preparation trade name: VITALINK PLANT FERTILISERS ADDATIVE

Company/undertaking name & address: AQUACULTURE LTD
UNIT 3A/3B PARWAY ONE
PARKWAY DRIVE
SHEFFIELD
S9 4WU

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2. Composition

Substance: SOILLESS PLANT FERTILISER CONTAINING BENEFICIAL MICROBES AND HORMONE.

% Content: NO MORE THAN 2.0% HORMONE.

CAS Number: N/A

Classification: N/A

EINECS: N/A

3. Hazards Identification

Most important hazards: CAUSES IRRITATION TO OPEN WOUNDS. TOXIC IF SWALLOWED. IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN. MAY CAUSE CHEMICAL CONJUNCTIVITIS. IF SWALLOWED MAY CAUSE GASTROINTESTINAL IRRITATION WITH NAUSEA, VOMITING, DIARRHEA, ITCHING WEAKNESS AND SENITIZATION TO UV LIGHT AND SUNLIGHT IN SUSCEPTIBLE INDIVIDUALS. EFFECTS MAY BE DELAYED.

4. First aid measures

Skin contact: IMMEDIATELY IRRIGATE WITH OR CLEAN WATER

Eye contact: IMMEDIATELY IRRIGATE WITH EYEWASH OR CLEAN WATER FOR 15 MINS AND SEEK MEDICAL ASSITANCE.

Ingestion: DO NOT INDUCE VOMITING AND SEEK MEDICAL ATTENTION IMMEDIATELY AND DISPLAY LABEL WHERE POSSIBLE. DRINK PLENTY OF WATER (2-4 CUPS) AND RINSE MOUTH OUT IF CONSCIOUS.

5. Fire fighting measures

Suitable extinguishing media: WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE OR CHEMICAL FOAM.

Unsuitable extinguishing media: NONE

Special hazards in fire: DURING FIRE, IRRITATING AND HIGHLY TOXIC GASES MAY BE GENERATED BY THERMAL DECOMPOSITION OR COMBUSTION, INCLUDING CARBON OXIDES, NITROGEN OXIDES AND HYDROGEN CHLORIDES.

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Required special protective equipment: WEAR PROTECTIVE EYE WEAR. Self contained breathing apparatus in pressure demand and full protective gear SHOULD BE WORN BY FIRE FIGHTERS. .
For fire fighters: WEAR PROTECTIVE EYE WEAR. Self contained breathing apparatus in pressure demand and full protective gear SHOULD BE WORN BY FIRE FIGHTERS. IF POSSIBLE PREVENT RUNOFF WATER ENTERING STORM DRAINS, BODIES OF WATER OR OTHER ENVIRONMENTALLY SENSITIVE AREAS.

6. Accidental release measures

Spillages: ENSURE SUITABLE GLOVES AND GOGGLES ARE WORN DURING REMOVAL OF SPILLAGE. MOP UP SPILLAGE IMMEDIATELY USING ABSORBANT MATERIALS. DISPOSE OF IN ACCORDANCE TO LOCAL AUTHORITIE.

Personal precautions: WEAR SUITABLE GLOVES AND GOGGLES IN CASE OF SPLASHES

Environmental Precautions: IF POSSIBLE PREVENT RUNOFF WATER ENTERING STORM DRAINS, BODIES OF WATER OR OTHER ENVIRONMENTALLY SENSITIVE AREAS.

7. Handling and storage

Handling: PREVENT CONTACT WITH EYES, SKIN AND CLOTHING. WASH AFTER HANDLING.

Storage: STORE ABOVE 7⁰C TO PREVENT CRYSTALLISATION. KEEP AWAY FROM DIRECT SUNLIGHT.

8. Exposure Controls

Eye protection: WEAR SAFETY GOGGLES.

Hand protection: WEAR RUBBER GLOVES

Hygiene measures: AN EYEWASH SHOULD BE NEARBY AND READY FOR USE.

9. Physical and chemical properties

Appearance: RUST BROWN LIQUID

Odour: COOKED MEAT

pH: 3.2

Boiling point: 100⁰C

Melting point: N/A

Flashpoint: N/A

Explosive properties: N/A

Vapour pressure: N/A

Relative density: 1.08g/cm³

Solubility: WATER SOLUBLE

10. Stability and reactivity

Conditions to avoid: EXCESS HEAT AND LIGHT

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Materials to avoid: STRONG ACIDS & ALKALI, ORGANIC SOLVENTS, REDUCING AND OXIDIZING AGENTS.

Hazardous decomposition products: MAY PRODUCE IRRITATING VAPOURS AND TOXIC GASES SUCH AS NITROGEN OXIDES, CARBON MONOXIDE, CARBON DIOXIDE, SULPHUR OXIDES AND HYDROGEN CHLORIDE.

11. Toxicological information

The toxicological properties have not been fully investigated. None of the ingredients have been found to be carcinogenic, mutagenic, embryotoxic and teratogenic to humans.

Acute toxicity: N/A

Local effects: N/A

Excessive exposure may affect human health as follows:

Skin contact: MILD IRRITANT

Eye contact: MILD IRRITANT

Inhalation/ingestion: CAUSE VOMITING IF INGESTED

12. Ecological information

Environmental fate and Distribution: THE PRODUCT IS SOLUBLE IN WATER. THE PRODUCT HAS LOW POTENTIAL FOR BIOACCUMULATION. THE PRODUCT HAS HIGH MOBILITY IN SOIL. LARGE RELEASES OF THIS PRODUCT MAY BE HARMFUL TO PLANTS AND ANIMALS BY SUBSTANTIALLY ALTERING THE NUTRIENT BALANCE IN AFFECTED AREAS.

Toxicity: POSES NO SIGNIFICANT THREAT.

13 Disposal Considerations

Disposal should be in accordance with local national legislation.

14. Transport information

Classification data: N/A

15. Regulatory information

N/A

16. Other Information

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