(91/155/EEC) MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

DATE 31/07/2012

PRODUCT NAME : AGROCEAN VITALGO +

SUPPLIER – MANUFACTURER : AGROCEAN

Prat Menan - BP 29

29880 PLOUGUERNEAU - FRANCE

Tel: (33) 02 98 04 54 11 Fax: (33) 02 98 04 55 15

EMERGENCY CALLING: Orfilla (33) 01 45 42 59 59

Anti-Poison Center (Rennes) (33) 02 99 59 22 22

2. HAZARD IDENTIFICATION

This product is not classified as hazardous according to EC directives (67/548/EEC (substances) and 1999/45/EC (preparations).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Boron complex of an alkanolamine and Ammonium Molybdate

4. FIRST AID MEASURES

Inhalation: Supply person with fresh air.

Eyes: Rinse with a lot of water 15 minutes and seek medical attention.

Skin: Remove the soiled clothes and rinse with water. In case of itch and redness

seek medical advice.

Ingestion: Immediately rinse out mouth and drink plenty of water. In case of

indisposition seek medical advice. Do not induce vomiting.

5. FIRE - FIGHTING MEASURES

Appropriate method of extinction: All the extinguishing media are possible.

Specific hazards: Possible release of toxic fumes (CO, CO₂ and

NOx).

Protection of fire-fighting personal: Breathing apparatus.

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6. MANAGEMENT OF ACCIDENTAL DISPERSION

Individual protections: Avoid contact with eyes and skin. Use a respiratory mask,

rubber or latex gloves and safety goggles.

Methods of cleaning: Absorb the product with absorbent compounds. Flush with

water and recover the flush water. Do not throw directly to the

sewer. Product very toxic for environment.

7. HANDLING AND STORAGE

Handling: Use a respiratory mask, rubber or latex gloves and safety goggles.

Storage: Keep the product into closed original container. Store out frost and

excessive heat.

Packaging: 1000 liters tanks or 5 liters cans.

8. CONTROL OF INDIVIDUAL EXPOSURE

Technical measure: Work in fresh air.

Exposition limit values:

Respiratory protection : Respiratory mask. **Protection of the skin :** Over is recommended.

Protection of the eyes: Safety goggles.

Necessary hygiene restrictions: Wash hands with water after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Aspect: Green liquid Characteristic

Density: 1.26 **pH**: 7 average

Solubility: Soluble in water in all proportions

Melting point:Not applicableBoiling point:Not definedTemperature of decomposition:Not definedVapour pressure:Not applicableExplosive hazard:Not explosiveCombustive properties:Not combustive

10. STABILITY AND REACTIVITY

Condition to be avoided : None. React with strong oxidizing agents. **Hazardous decomposition products :** In case of fire formation of CO, CO2, NOX...

Other informations:

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11. TOXICOLOGICAL DATA

Acute toxicity (solution of pure boron complex):Oral way LD 50, rat : >2000 mg/kg.
Skin way LD 50, rabbit no data.

Cutaneous irritation: Risk of cutaneous allergy if the handling is repeated. **Ocular irritation:** Very Irritating. Redness and watering. Risk of

reversible hurts of the eye.

Ingestion: Cause intensive mouth, throat, oesophagus and

stomach irritations. Abdominal pains, diarrheas.

12. ECOLOGICAL DATA

On pure Boron solution

Biodegradability

Weakly biodegradable BD05: 400 mgO2/g COD: 600 mgO2/g

Ecotoxicity

Contains nitrogenous by-products

Class WGK:1

13. DISPOSAL AND DESTRUCTION INFORMATION

Operating in accordance with local and state laws.

Do not throw directly to the sewer.

Destroy the packaging according to national or local legislation.

14. SHIPMENT INFORMATION

Not listed as hazardous substance

15. REGULATORY INFORMATION

S (phrases): S2: Keep out of reach of children.

S23: Do not breathe sprayings. **S24:** Avoid the contact with skin.

S26: In case of contact with eyes, rinse immediately with plenty of water

and seek medical advice.

16. OTHERS INFORMATIONS

This sheet completes the technical leaflet but doesn't replace it. The information written here above are based on our relative knowledge to the concerned product, at the time of writing this safety data sheet. They are honestly written. A list of the main regulation, legislation and administrative texts can be joined to this sheet as indication. The use of the product for others purposes than those indicated on the label may present a risk.