

written following Norm ISO 11014-1

MATERIAL SAFETY DATA SHEET**GOËMAR[®] MULTOLEO**

09/99/M6

I - IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY**I.1- IDENTIFICATION OF THE FORMULA**

* Utilisation

Seaweed foliar fertilizer.

* Standard denomination

boron solution (EC fertilizer)

I.2- COMPANY IDENTIFICATION**Laboratoires GOËMAR**

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I.3- EMERGENCY CALLING**ORFILA**
33.1.45.42.59.59.**ANTI-POISON CENTER (Rennes)**
33.2.99.59.22.22.**II - COMPOSITION / INFORMATION ON INGREDIENTS**

PREPARATION :

The preparation is not classified as dangerous.

* **Dangerous substances**

and

* Temporary labelled substances
by the producer

| denomination / CAS n° / CE n° | conc. (%w/w) | classification |
|-------------------------------|--------------|-------------------|
| amine | < 20% | Xn, R20-R36/37/38 |

none

NOTES :

III - HAZARDS IDENTIFICATION

MAIN DANGEROUS EFFECTS :

* For human health

No dangerous effect if the product is used according to recommendations written on the label.

* For environment

Avoid pouring into draining system and surface water.

* Physical and chemical hazards

IV - FIRST AID MEASURES

IN CASE OF :

* Ingestion

Wash out mouth with water. Keep patient at rest and obtain medical attention at once.

* Inhalation

Take the patient to get fresh air.

* Skin contact

Take off dirty clothes.
Wash with water.

* Eyes contact

Flush 15 mn with water.
Seek medical advice if irritation developps.* Special means for quick-acting
close to the place of workEyes shower.
Safety shower.

| V - FIRE FIGHTING MEASURES | |
|---|--|
| <ul style="list-style-type: none"> * Extinguishing media * Precautions * Protection equipments | <p>Use multi-purpose dry powder extinguishers</p> <p>Evacuate the place. Provide for holding contaminated water. Possible release of toxic fumes (carbon and nitrogen oxides). Professionals : use a self contained breathing apparatus.</p> |
| VI - ACCIDENTAL RELEASE MEASURES | |
| <ul style="list-style-type: none"> * Individual protection * Environmental protection * Cleaning methods | <p>Ensure ventilation. Use gloves.</p> <p>Avoid pouring into draining system or environment. Avert concerned authorities.</p> <p>In case of pouring on public place, absorb the liquid with a neutral absorbant and sweep it. Do not flush with water. Do not reintroduce into original jerrycan ; treat as waste.</p> |
| VII - HANDLING AND STORAGE | |
| <ul style="list-style-type: none"> * Handling * Precautions * Storage | <p>For individual protection, see point 8 for details.</p> <p>Handle carefully to avoid accidental dispersion and spatter.</p> <p>Keep the product into original container. Jerrycans will be labelled and kept closed. Store away from food and farm animals. Do not store below -10°C.</p> |
| VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION | |
| <ul style="list-style-type: none"> * Exposition control * Technical measure <p>INDIVIDUAL PROTECTION EQUIPMENT (IPE)</p> <ul style="list-style-type: none"> * Breathing protection * Hands protection * Eyes protection * Skin protection * Necessary hygiene restrictions | <p>Work in fresh air.</p> <p>Gloves.</p> <p>Safety goggles.</p> <p>Overall is recommended.</p> <p>Wash hands with water after handling the product. Do not eat or drink during the handling.</p> |

IX - PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------------------|--------------------------------------|
| * Aspect | green to brown liquid, limpid. |
| * Smell | |
| * pH | 7,4 - 7,9 |
| * Boiling point | no data |
| * Melting point | no data |
| * Flash point | no data |
| * Inflammability (solid-gas) | no data |
| * Combustive properties | no data |
| * Vapour pressure | no data |
| * Relative density | |
| * Solubility | Soluble in water in all proportions. |
| * Vapour density | no data |
| * Viscosity | 150 cps |

X - STABILITY AND REACTIVITY

| | |
|------------------------------------|--|
| * Conditions to avoid | The product colour changes with time, without effect on its properties. Avoid storage with strong oxidizing agents or concentrated acids. |
| * Materials to avoid | Avoid storage into metallic containers. |
| * Hazardous decomposition products | In case of fire, carbon and nitrogen oxides. |

XI - TOXICOLOGICAL INFORMATION

| | |
|------------------------------|---|
| * Oral way | for information : VME amine = 3 ppm = 8 mg/m ³ Abdominal pain, nausea, diarrhoea. |
| * Skin contact | No irritation or sensitisation if contact is not prolonged. |
| * Eyes contact | Diluted product may be irritant, because of basic pH. |
| * Fog and aerosol exposition | |
| * Mammal experimental data | no data for the preparation. |

XII - ECOLOGICAL INFORMATION

| | |
|---------------------------|---|
| * Aquatic environment | Damage will depend on the quantity released and on water down rapidity. for information : algae = 3 mg of product / l. LC50 (rainbow trout) = 150 mg B / l. |
| * Terrestrial environment | Preparation is water soluble, consequently mobile by lixiviation. (no available data for the preparation) |

XIII - DISPOSAL CONSIDERATIONS

* Waste elimination

Avoid to waste the product into draining system.
Keep waste into suitable containers for ulterior treatment.

* Further precautions

Destroy the packaging according to national or local legislation in effect.
Packaging : do not reuse

XIV - TRANSPORT INFORMATION

* road / railway

Preparation not concerned.

* maritime way

* air way

XV - REGULATORY INFORMATION

* Symbol

following directive 1999/45/EC.

none

* R sentence(s)

none

* S sentence(s)

S2 : keep out of reach of children.
S23 : do not breathe sprayings.
S26 : in case of contact with eyes,rinse immediately with plenty of water
and seek medical advice.

* National recommendations

nothing

XVI - OTHER INFORMATION

REFERENCES :

INRS data ; suppliers data ; company in-house data .

* For data

* For transport

* For EC regulation

Directive 91/155/EEC.
Directive 1999/45/EC.

symbol points out a modification with regard to the previous sheet.

N .B. : 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 other purposes than those indicated on the label may present a risk.