

SAFETY DATA SHEET

072002M7

I - IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

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| NAME OF THE PRODUCT | <i>Goëmar HeadSet</i> | |
| Use Standard denomination | Agriculture - Seaweed-based fertilizer, for foliar spraying. <i>EC FERTILIZER -magnesium nitrate solution</i> | |
| SUPPLIER Manufacturer | Laboratoires GOËMAR Z.A.C. la Madeleine - Avenue du Général Patton 35400 SAINT MALO - FRANCE Phone : +33.(0)2.99.21.53.70. Fax. : +33.(0)2.99.82.56.17. | |
| EMERGENCY TELEPHONE | ORFILA +33.(0)1.45.42.59.59(24/24H) | ANTI-POISON CENTER (Rennes) +33.(0)2.99.59.22.22(24/24H) |

II- HAZARDS IDENTIFICATION

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| MAIN HAZARDS | The preparation <i>is not</i> classified as dangerous. |
| Adverse physico-chemical effects Adverse human health effects Adverse environmental effects Additional information | <i>Do not release the product into draining system or in the environment.</i> |

III - COMPOSITION / INFORMATION ON INGREDIENTS

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| PREPARATION - chemical nature | Aqueous formulation with seaweed and mineral salts. | | |
| Components involved in the hazards | denomination / CAS n° / EC n° | %w/w | classification |
| Components presenting a hazard | <i>magnesium nitrate / 13446-18-9</i> | <i>20-50%</i> | <i>O, R8 (suppl.)</i> |
| Additional information | <i>none</i> | | |

IV - FIRST AID MEASURES

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| IN CASE OF : | |
| Eye contact | Flush immediately with plenty of water for 15 mn. In case of persistent irritation, ask the advice of an ophthalmologist . |
| Skin contact | Take off dirty clothes. Rinse skin with plenty of water. |
| Ingestion | Wash out mouth with water. Do not give to drink. Do not induce vomiting. <i>If necessary</i> seek medical advice, and show this SDS, or for lack, the label. |
| Inhalation | <i>Not specifically concerned (aqueous liquid).</i> Remove from the contaminated area and bring to fresh air. |
| Collective emergency means | Eyes shower. Safety shower. |

| V - FIRE FIGHTING MEASURES | |
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| Suitable extinguishing media Unsuitable extinguishing media Specific hazards Precautions Protective equipment | All extinguishing agents usable (water, foam, powders, CO ₂ , ...) depending on products stored close by Dangerous resulting gases : nitrogen oxides Evacuate the place. Cool exposed containers with water. Provide for holding contaminated water. Professional fire-fighters only : use a self-contained breathing apparatus. |
| VI - ACCIDENTAL RELEASE MEASURES | |
| Personal precautions Environmental precautions Methods for cleaning up | Avoid contact with eyes and skin. Limit and impound discharge. Prevent entry into drains, waters or soil. Avert authorities. Do not water down. Collect with a neutral absorbent material (do not use sawdust) and sweep it . Do not reintroduce into original container ; treat as waste. |
| VII - HANDLING AND STORAGE | |
| HANDLING Precautions for use STORAGE Technical measures Conditions of storage Packaging | For personal protective equipments, see point 8 for details. Avoid accidental dispersion and spatter. Recommended limit height of stacking : 2 pallets Store out of frost (-10°C) and if possible in a cool place. Store away from food, drink and animal feedingstuffs. Keep the product into original container labelled and closed. |
| VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION | |
| Technical measures Exposure limit values Monitoring procedures PPE : Personal Protection Equipments Respiratory protection Hand protection Eye protection Skin and body protection Hygiene measures Environmental protection | Work in the open air. Medical examination yearly. The product doesn't require specific measures. Respect general rules for handling of chemical products : Mask recommended while spraying the mixture. Protective gloves, such as latex, PVC, rubber. Safety goggles. Protective clothing, such as overall. Wash hands with water after handling the product. Do not eat or drink during the handling. Rinse the containers with water and pour rinsing water into spraying tank. |

| IX - PHYSICAL AND CHEMICAL PROPERTIES | |
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| Appearance : physical state, colour Odour pH Characteristic temperatures : Solidification Boiling point Flash point Auto-ignition temperature Oxidising properties Explosive properties Relative density (water = 1) Solubility Viscosity Vapour density Evaporation rate | Brown liquid, cloudy slight 6,5 - 7,4 (pure product) Not determined (aqueous solution) Not determined (aqueous solution) Not applicable (aqueous solution) Not applicable (no flammable component) Preparation not classified but containing magnesium nitrate (O, R8) Not applicable (no explosive component) 1,314 - 1,329 Totally soluble in water in all proportions Not determined Not applicable (no volatile component) Not applicable (no volatile component) |
| X - STABILITY AND REACTIVITY | |
| Stability Hazardous reactions Conditions to avoid Materials to avoid Hazardous decomposition products | The product is stable in normal conditions of use Do not store close to combustible material In case of fire, release of toxic nitrogen oxides |
| XI - TOXICOLOGICAL INFORMATION | |
| Acute toxicity / Local effects Ingestion Eye contact Skin contact Inhalation Sensitisation Chronic / long-term toxicity Specific effects | (bibliographical data) For information, concerning magnesium nitrate : LD50 (oral,rat) = 5440 mg/kg Can cause irritation and redness Can cause a slight and momentary irritation (pricklings). No data relating to components |
| XII - ECOLOGICAL INFORMATION | |
| Ecotoxicity Effects on aquatic organisms Effects on terrestrial organisms Effects on terrestrial flora/fauna Mobility Volatility Adsorption/desorption Precipitation Surface tension Persistence and degradability Abiotic degradation Biodegradability Bioaccumulation Other adverse effects | (bibliographical data) Possible local damage in case of important accidental release vapour pressure : not applicable (no volatile component) partition coefficient n-octanol/water : not determined the preparation is soluble in water, consequently mobile by lixiviation the preparation doesn't contain any surface-active agent no adverse effect expected on sewage plant working |

| XIII - DISPOSAL CONSIDERATIONS | |
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| Residues waste Destruction / disposal Contaminated packaging Decontamination / cleaning Destruction / disposal | Do not empty into drains. Dispose of in authorised waste collection plant. Rinse with water and pour into the spraying tank. Dispose of rinsed plastic packagings and cardboard in an authorised plant (incineration or recycling). |
| XIV - TRANSPORT INFORMATION | |
| International regulations Road (ADR) Sea (IMDG) | Not concerned Not concerned |
| XV - REGULATORY INFORMATION | |
| CE LABELLING Symbol of danger Special risks (R sentences) Safety advice (S sentences) Other information | None None S20/21 : when using do not eat, drink or smoke S26 : in case of contact with eyes, rinse immediately with plenty of water and seek medical advice. None. |
| XVI - AUTRES INFORMATIONS | |
| R sentences of compenents présentant un danger BIBLIOGRAPHICAL REFERENCES For communal regulation For data For transport | R8 : Contact with combustible material may cause fire. written following ISO Norm 11014-1 Directive 1999/45/EC modified. Directive 67/548/EEC modified. Suppliers data ADR 2007 IMDG 2004 Experimental result (corrosivity test upon eyes, skin and metals) with similar preparation |
| # symbol points out a modification with regard to the previous sheet. | |
| <i>N.B. : This sheet completes the technical leaflet but doesn't replace it. The information written here above are based on our relative knowledge of 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.</i> | |