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| **MATERIAL SAFETY DATA SHEET** |
| **1. PRODUCT AND COMPANY IDENTIFICATION :** |
| **Product Name :** Moringa Oleifera leaf extract based bio stimulant **Product category : Botanical extract****Brand name : Bio-Ringa****Manufacturer identification** Company Name: **Ezzy Bio Sciences pvt. Ltd**.**Factory address-** Survey No 90/2/1 Mehrja Gram, Dist. Khargone-451001 (M.P.)**office address-**1304, Marathon icon, Nextgen campus, Opp. Peninsula Park, off. Ganpatrao kadam Marg,Lower parlel(w) MUMBAI-400013 (MH) India Phone : +912241206505 |
| **2. COMPOSITION / INFORMATION ON INGREDIENTS :** |
| **Product Name** :Moringa Oleifera leaf extract based bio stimulant |
| **Ingredient Name** | **CAS No. :** |
| moringa oleifera protein  | 9015-54-7 |
| moringa oleifera leaf extract | 93165-54-9 |
| **3.** **HAZARD IDENTIFICATION :** |  |
| The product is liquid with a characteristic odour which is intended to be used for plant nutrition supplementation. No hazardous ingredients present; not hazardous to humans, animals or plants. Product and components are not considered hazardous according to EEC Dangerous Substances Directive and Dangerous Preparation Directive. |
| **4. FIRST AID AND MEASURES :** |
| **Respiratory Protection…**: No Special requirements.**Ventilation** . . . . . . . . . . : Adequate ventilation **Eye Protection** . . . . . ……: Safety goggles **Protective Gloves** . . . . . . : Rubber**Ingestion:** Rinse mouth with water. Seek medical advice.**Medical attention and special treatment:** Not required as safe when touches skin |
| **5. FIRE-FIGHTING MEASURES :** |
| **Flash Point:** Not applicable **Flammability Limits:** Not flammable **Auto-ignition temp:** Not applicable **Fire Extinguishing Media:** Water spray, carbon dioxide, dry chemical, foam **Hazards from combustion products:** Non- combustible material.**Suitable Extinguishing Media:** Not combustible, however, if material is involved in a fire: Use media applicable to surrounding fire. |
| **6 .ACCIDENTAL RELEASE MEASURES :**  |
| Person-related precautionary measures: Do not inhale vaporous/ aerosols. Avoid substance contact. Procedure for cleaning / absorption:Absorbed the liquid material (e.g. sawdust, sand, clay etc. ). Forward for disposal. Clean up affected area.  |
| **7. HANDLING AND STORAGE :**  |
| **Storage Temperature (Min./Max.)**: 45 ° F/ 104 ° F **Shelf Life**: Three years**Handling Precautions:** Do not drink; get in eyes, on skin or on clothing.Use in well ventilated area. Wash thoroughly with soap and water after handling.**Storage Precautions:** Keep container tightly closed. **STORE IN A COOL DRY PLACE PROTECTED FROM DIRECT HEAT & SUNLIGHT.**  |
| **8. EXPOSURE CONTROLS / PERSONAL PROTECTION :** |
| Personal protective equipment : **Respiratory protection** : Required when vapours / aerosols are generated **Eye protection** : Safety goggles required **Hand protection**: Hand gloves required. **Industrial hygiene**: Change contaminated clothing. Application of skin protective barrier cream Recommended. Wash hand after working with substance. Avoid the containers in open condition.  |
| **9.PHYSICAL AND CHEMICAL PROPERTIES:** |
| Physical appearance  | Clear Liquid  |
| Odour  | Characteristics  |
| Solubility |  Water soluble |
| PH  | 4.5 ±0.5 |
| Specific Gravity | 1.01-1.08 gm/cm3 |
| **10. STABILITY AND REACTIVITY :** |
| **Hazardous decomposition products:** No hazardous products known. **Further information:** No Hygroscopic, inflammable solvent.  |
| **11.TOXICOLOGICAL INFORMATION :** |
| No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled.**Health effects** **:** **Respiratory**: Non- toxic. **Skin**: Prolonged redness or frequent contact may given transient redness.. **Eyes:** Slightly irritating. **Ingestion**: Non- toxic.  |
| **12. ECOLOGICAL INFORMATION :** |
| The product contains non –pathogenic, non-hazardous and non-toxic, naturally occurring constituents. **Other adverse effects:** There is no ozone depletion, photochemical ozone creation or global warming potential Eco-toxicity – none. |
| **13.DISPOSAL CONSIDERATION:** |
| Clean up with inert substance like sand. In case of large spillage absorb it in saw dust or sand. Dispose this off as per the local regulations. Do not discharge in sewer system. Disposal should be in accordance with local state or national legislation. Do not reuse product packing materials and residues. Dispose the product packing materials and residues according to local state and federal health and environmental regulations. Destroy used containers and bury them 18 inches below the soil in non-crop land away from habitation and underground water course. Dispose empty containers surplus material and washings from spray equipments in a safe manner so as to prevent environmental or water pollution, or contamination of food and animal feed. Never use the empty containers for storing food or water. |
| **14.TRANSPORTATION INFORMATION:** |
| **Transportation Data** : The product is not regarded as hazardous material for all modes of transportation **Hazard Class** : Not applicable Non- hazardous material according to transport regulations. No special precautions are necessary.**Road and Rail Transport:** Not classified as Dangerous Goods for transport by Road and Rail.**Marine Transport:** Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON- DANGEROUS GOODS.**Air Transport:** Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; non-dangerous goods |
| **15. REGULATORY INFORMATION :**  |
| Substance name **:** Moringa Oleifera leaf extract based bio stimulantOther information : TSCA : Not applicable CERCLA Reportable Quantity : Not applicable SARA TITLE III Section 313 : Not applicable OSHA Hazard Classification : Not applicable WHMIS/ Controlled products regulation: Not applicable. Clean Air Act : This formula does not contain any hazardous air pollutants Clean Water Act : None of the chemicals in this product are listed as hazardous, toxic or priority pollutants. State Right-to-Know Lists : Not applicable Exposure Limits : Not applicableNot classified as dangerous according to EEC Dangerous Substances Directive and Dangerous Preparation Directive**.**  |
| **16. OTHER INFORMATION:** |
| This data sheet completes the technical sheets but does not replace them. The information herein is based on the present state of the manufacturer’s knowledge for the concerned product, at the date of publication of this document. It has been given to the best of our belief. The attention of the user is drawn to the possible risks incurred when a product is used for any other purpose than that for which it was intended. It does not in any case exonerate the user from knowing and applying all the regulations governing his activity. He will be only liable for the precautions regarding the use he has made of the product.**Note :** 1. NIOSH :The National Institute for Occupational Safety and Health 2. WHMS : Workplace Hazardous Materials Information 3. TSCA : Toxic substances Control Act  4. CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act |

 **Authorized Signatory**