

## MATERIAL SAFETY DATA SHEET

### YOSHI ENERGY

#### Section I – Product and company identification

|   |   |
|---|---|
| <b>Product's Name :</b><br>YOSHI ENERGY | <b>Product Code : 08</b><br><b>Product Use :</b><br>Bio-Fertilizer for Agriculture Use Only |
|---|---|

|   |  |
|---|--|
| <b>Supplier</b><br>AGMA ENERGY PVT LTD<br><b>Site Address:</b><br>1115, Modi Tower (Hemkunt Tower)<br>98, Nehru Place, New Delhi<br>Pincode-110019, India | <b>Emergency Telephone Number</b><br>91-9662525135<br><b>Telephone Number for Information</b><br>91-9662525135<br><b>Email ID</b><br>rsc@algaenergy-intl.com |
|---|--|

#### Section II - Hazard Identification

|                         |                               |                            |                                    |                         |
|-------------------------|-------------------------------|----------------------------|------------------------------------|-------------------------|
| <b>Routes of Entry:</b> | <b>Inhalation</b><br>Possible | <b>Skin</b><br>Open Wounds | <b>Ingestion</b><br>Not Applicable | <b>Eyes</b><br>Possible |
|-------------------------|-------------------------------|----------------------------|------------------------------------|-------------------------|

**Carcinogenicity:**  
No Carcinogenicity reports are found

**Signs and Symptoms of Exposure**  
The product is an almost light greenish brown liquid with a characteristic fermentation odour which is intended to be used for plant nutrition supplementation. Organisms used are non-pathogenic, but can cause infection when in contact with open wounds. These organisms are susceptible to many commonly used antibiotics. There is no specific antidote for any form of irritation observed. Treat symptomatically. Immediately seek medical attention.

#### Section III - Components, Information and Ingredients

##### Product Composition

##### A. Hazardous

| Ingredient | #CAS | %  |
|------------|------|----|
| NA         | NA   | NA |

##### B. Non - Hazardous

##### Components

Azospirillum Bacterial Species :-  
1-20 % (Vegetative cells), 1x10<sup>8</sup> cfu/ml with Filtered and processed  
Organic material :- Q.S.

#### Section IV - Emergency and First Aid Measures

**Inhalation:** If poisoning is suspected, consult a physician immediately/ visit the nearest hospital / nearest Poison control centre. The concerned examiner should be informed the complete product name and details and amount of exposure. Describe the symptoms and follow the advice given.

**Eye contact:** Immediately flush eyes with water for 20 minutes. Hold the eye lids apart to rinse the entire surface of eyes and lids. No medicating agents should be applied except on the advice of physician.

**Skin contact:** Wash skin with soap and water, including hair and under fingernails. No medicating agents should be applied except on the advice of physician. Remove contaminated clothing and footwear.

#### Section V – Fire Fighting Measures

|  |   |
|--|---|
| <b>Flash Point (Method Used):</b> Not applicable | <b>Flammable Limits:</b> Not applicable         |
| <b>Extinguishing Media:</b> Water                | <b>Unusual Fire and Explosion Hazard :</b> None |

**Special Fire-Fighting Information:** Wear full protective clothing and self-contained breathing apparatus. Evacuate non-essential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Use of contaminated buildings, area and equipment has to be avoided until decontaminated.

## MATERIAL SAFETY DATA SHEET

|   |   |  |                 |
|---|---|--|-----------------|
| <b>Special Fire-Fighting Procedures:</b> None   |   |  |                 |
| Caution: Burning may continue inside drum or piles after surface fire is out. Break drum or separate pile to assure that the fire is extinguished   |   |  |                 |
| <b>Section VI – Accidental Release Measures</b>   |   |  |                 |
| <b>Steps to Be Taken in Case Material is Released or Spilled:</b>   |   |  |                 |
| Use methods to clean spill which avoid creating airborne dust. Avoid breathing dust by using adequate ventilation and/or NIOSH or MSHA approved respirator for nuisance dust of this type.  |   |  |                 |
| <b>Section VII – Handling and Storage</b>   |   |  |                 |
| <b>Handling:</b> Avoid creating excessive dust during handling. Avoid breathing dust by using adequate ventilation and/or NIOSH or MSHA approved respirator for nuisance dust of this type.   |   |  |                 |
| <b>Storage:</b> Room temperature (Not more than 40 degree Celsius). Store the material in a well-ventilated, clean, cool and dry place out of reach of children and domestic animals. Keep away from direct sunlight. Keep containers tightly closed when not in use. Do not store in metallic containers. Do not store along with chemical pesticides. |   |  |                 |
| <b>Shelf Life :-</b> Use before expiry date printed on label  |   |  |                 |
| <b>Section VIII – Exposure Control and Personal Protection</b>  |   |  |                 |
| <b>Respiratory Protection (Specify Type):</b>   |   |  |                 |
| If dust is created use NIOSH or MSHA approved respirator for nuisance dust of this type.  |   |  |                 |
| <b>Ventilation:</b>   |   |  |                 |
| Local exhaust advisable if excessive dust is created.   |   |  |                 |
| <b>Protective Gloves:</b>   |   |  |                 |
| Not normally necessary but suggested in cases of open wounds that are not appropriately protected.  |   |  |                 |
| <b>Eye Protection:</b>  |   |  |                 |
| Protective eyewear should be worn where dust levels are high enough to cause irritation.  |   |  |                 |
| <b>Protective Clothing or Equipment:</b>  |   |  |                 |
| Normal work clothing.   |   |  |                 |
| <b>Work/Hygienic Practices:</b>   |   |  |                 |
| NIOSH or MSHA approved respirator, eye protection and ventilation under conditions where excessive dust is created. Open wounds should be kept clean and suitably protected.  |   |  |                 |
| <b>Section IX – Physical and Chemical Properties</b>  |   |  |                 |
| <b>Physical state</b>   | Liquid  | <b>Bulk Density</b>                    | Not Applicable  |
| <b>Colour</b>   | As per product information                            | <b>Flash point</b>                     | Not Applicable  |
| <b>Specific Gravity</b>   | Specified in certificate of analysis                  | <b>pH</b>                              | 6.5-7.5         |
| <b>Corrosion</b>  | Nil   | <b>Freezing Point</b>                  | Note Determined |
| <b>Miscibility in Water</b>   | Soluble   | <b>% Volatile Volume</b>               | Note Determined |
| <b>Appearance and Odor</b>  | Light Greenish brown colour with Characteristic smell |  |                 |
| <b>Section X – Stability and Reactivity</b>   |   |  |                 |
| <b>Stability:</b> Stable  |   | <b>Conditions to Avoid:</b> None known |                 |
| <b>Incompatibility (Materials to Avoid):</b> Note Known   |   |  |                 |
| <b>Hazardous Decomposition or by Products:</b> None   |   |  |                 |
| <b>Hazardous Polymerization:</b> Will not occur   |   |  |                 |
| <b>Section XI – Toxicological Information</b>   |   |  |                 |
| Toxicological studies is not available. Prolonged contact with eyes, skin and respiratory tract may cause irritation. The product is formulated using microbe specially selected from the natural environment and that are known to be non-pathogenic to humans, animals or plants. It is advised to cover open wounds when in use.                     |   |  |                 |

## MATERIAL SAFETY DATA SHEET

|  |                           |
|--|---------------------------|
| <b>Section XII – Ecological Information</b>  |                           |
| Totally bio-degradable in nature<br><b>Accumulation:</b> Not anticipated to bio accumulate. Do not apply on water bodies as it may be toxic to aquatic life. The product contains non –pathogenic, non-hazardous and non-toxic, naturally occurring Constituents.<br><b>Other adverse effects:</b> There is no ozone depletion, photochemical ozone creation or global warming Potential.  |                           |
| <b>Section XIII – Disposal Information</b>   |                           |
| <b>Disposal:</b> Dispose empty containers surplus material and washings from spray equipment’s 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.<br><b>Hazardous Waste Classification:</b> Not applicable  |                           |
| <b>Section XIV – Transport Information</b>   |                           |
| <b>TDG Classification:</b> Not regulated<br><b>DOT Classification:</b> Ground/Air Transport – NAFTA: Not regulated<br><b>Water/Air Transport – International:</b> Not regulated  |                           |
| <b>Section XV – Regulatory Information</b>   |                           |
| TSCA: Not applicable<br><b>CERCLA Reportable Quantity:</b> Not applicable<br><b>SARA TITLE III Section 313:</b> Not applicable<br><b>OSHA Hazard Classification:</b> Not applicable<br><b>WHMIS/ Controlled products regulation:</b> Not applicable.<br><b>Clean Air Act:</b> This formula does not contain any hazardous air pollutants<br><b>Clean Water Act:</b> None of the chemicals in this product are listed as hazardous, toxic or priority pollutants.<br><b>State Right-to-Know Lists:</b> Not applicable<br><b>Exposure Limits:</b> Not applicable   |                           |
| <b>Section XVI – Other Information</b>   |                           |
| <b>Original Issued Date:</b> August 19, 2019   | <b>Revision Date:</b> Nil |
| <b>Additional Information:</b> The information above is accurate and reliable to the best of our knowledge as the date hereof. However, such information is not to be interpreted as representing a warranty or guarantee as to its accuracy and reliability or completeness. No warranty of any kind is given or implied and <b>AGMA ENERGY PVT LTD</b> will not be liable for any damages, losses, injuries or consequential damages which may result from the uses or reliance on any information contained. The users must do their own research for the pertinence of the information for specific use. |                           |
| <b>This product is for Agriculture Use Only.</b>   |                           |

