

MATERIAL SAFETY DATA SHEET

KAZUKI ENERGY

Section I – Product and company identification

Product's Name : KAZUKI ENERGY	Product Code : 07 Product Use : Bio-Fertilizer for Agriculture Use Only
Supplier AGMA ENERGY PVT LTD Site Address: 1115, Modi Tower (Hemkunt Tower) 98, Nehru Place, New Delhi Pincode-110019, India	Emergency Telephone Number 91-9662525135 Telephone Number for Information 91-9662525135 Email ID rsc@algaenergy-intl.com

Section II - Hazard Identification

Routes of Entry:	Inhalation Possible	Skin Open Wounds	Ingestion Not Applicable	Eyes Possible
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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

Composition

Azospirillum Bacterial Species :-
1-20 % (Vegetative cells), 1x10⁸ 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

Flash Point (Method Used): Not applicable

Flammable Limits: Not applicable

Extinguishing Media: Water

Unusual Fire and Explosion Hazard : 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.

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Special Fire-Fighting Procedures: 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

Section VI – Accidental Release Measures

Steps to Be Taken in Case Material is Released or Spilled:

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.

Section VII – Handling and Storage

Handling: 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.

Storage: 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.

Shelf Life :- Use before expiry date printed on label

Section VIII – Exposure Control and Personal Protection

Respiratory Protection (Specify Type):

If dust is created use NIOSH or MSHA approved respirator for nuisance dust of this type.

Ventilation:

Local exhaust advisable if excessive dust is created.

Protective Gloves:

Not normally necessary but suggested in cases of open wounds that are not appropriately protected.

Eye Protection:

Protective eyewear should be worn where dust levels are high enough to cause irritation.

Protective Clothing or Equipment:

Normal work clothing.

Work/Hygienic Practices:

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.

Section IX – Physical and Chemical Properties

Physical state	Liquid	Bulk Density	Not Applicable
Color	Greenish brown	Flash point	Not Applicable
Specific Gravity	> 1.0	pH	6.5-7.5
Corrosion	Nil	Freezing Point	Note Determined
Miscibility in Water	Soluble	% Volatile Volume	Note Determined
Appearance and Odor	Light Greenish brown color with Characteristic smell		

Section X – Stability and Reactivity

Stability: Stable

Conditions to Avoid: Not known

Incompatibility (Materials to Avoid): Not Known

Hazardous Decomposition or by Products: None

Hazardous Polymerization: Will not occur

Section XI – Toxicological Information

Toxicological studies 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.

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Section XII – Ecological Information	
Totally bio-degradable in nature Accumulation: 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. Other adverse effects: There is no ozone depletion, photochemical ozone creation or global warming Potential.	
Section XIII – Disposal Information	
Disposal: 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. Hazardous Waste Classification: Not applicable	
Section XIV – Transport Information	
TDG Classification: Not regulated DOT Classification: Ground/Air Transport – NAFTA: Not regulated Water/Air Transport – International: Not regulated	
Section XV – Regulatory Information	
EU 889/2008 & NOP Organically Certified by Ecocert SA 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 applicable	
Section XVI – Other Information	
Original Issued Date: August 19, 2019	Revision Date: Nil
Additional Information: 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 AGMA ENERGY PVT LTD 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. This product is for Agriculture Use Only.	

For, AGMA ENERGY PVT. LTD.

J. R. Patel
Authorized Signatory

