MATERIAL SAFETY DATA SHEET

According to U.S. 29 CFR 1910.1200 and Directive 2001/58/EC

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SECTION 1: PRODUCT IDENTIFICATION

Product Name:	**ENVIRONOC 401 Liquid**
Harmonized Tariff Code:	**3002 90 10 00**
Product Use:	Enhanced growth and overall health of many plants, including roots, flowers, fruit
Manufacturer Address:	22 km Ferozepur Road, Near Gujju Matta Metro Bus Station, Lahore, Pakistan
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SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient:	CAS No.	Percent:
Liquid mixture of microbial strains	Not applicable	4.37% (nominal)
Ferment residue (non-animal)	Not applicable	0.2% (nominal)
Water	Not applicable	95.43% (nominal)

Section 2 Notes: This preparation contains no hazardous ingredients per Directive 67/548/EEC. (European Union - Dangerous Goods)

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview: This product is not considered to be hazardous to animals, plants, humans or the environment. The microbes have not been genetically modified. This product has very low toxicity via ingestion, skin/eye contact or inhalation.

Possible Routes of Entry: Inhalation, ingestion, eyes and skin.

Potential Health Effects from Over-exposure:

Acute:

- Skin/Eye Irritation: Direct contact with skin or eyes may cause mild irritation in some individuals.
- Inhalation: Inhalation of powder may cause respiratory tract irritation in some individuals.
- Ingestion: May cause nausea and diarrhea in some individuals.

Chronic:

- Symptoms: Available data does not suggest any long term symptoms from exposure.
- Aggravation: Available data does not suggest any aggravation of existing conditions.

Section 3 Notes: In the unlikely event that over-exposure occurs, follow first aid measures in section 4.

SECTION 4: FIRST AID MEASURES

General: Remove from source of exposure. If irritation or other signs of exposure occur, seek medical attention.

Eyes: Remove contact lenses if present and flush with water for 15 minutes.

Skin: Remove contaminated clothing. Wash thoroughly with soap and rinse with water.

Inhalation: Remove to fresh air. If person is not breathing, call an ambulance and perform artificial respiration.

Ingestion: Do not induce vomiting. Give water if able to swallow.

Note to Physicians and First Aid Providers: This product has low oral, dermal and inhalation toxicity. Direct contact with eyes may cause temporary irritation. Provide symptomatic and supportive care as necessary.

SECTION 5: FIRE FIGHTING MEASURES

General: Use methods and protective gear that are appropriate for the conditions and size of the fire.

Extinguishing Media: Use appropriate media for underlying cause and combustibles involved in the fire.

Special Equipment: Self-contained breathing apparatus and full protective gear according to the conditions and size of the fire.

Section 5 Notes: This material is not explosive and does not constitute a fire hazard.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear suitable protective clothing such as long-sleeved shirt, pants, waterproof gloves and shoes with socks.

Methods for Clean Up: Carefully mop or sweep up spill and place in a closed container for disposal. Rinse area with water.

Section 6 Notes: Refer to section 8 for personal protection and section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

Handling: Use handling procedures that minimize exposure to the product.

Storage: Store in a refrigerator or alternatively a cool location in original container.

Section 7 Notes: Avoid contact with skin, eyes and clothing. Wash any contamination from skin or eyes immediately. Wash hands and exposed skin before eating, drinking, smoking or using the toilet.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

General: Protective clothing should be selected according to the conditions likely to be encountered in the workplace. Ensure good ventilation. No exposure limits have been established.

Engineering Controls: There are no specific engineering controls for this product.

Personal Protective Equipment:

- Respiratory: If liquid is sprayed, use an approved droplet mask.
- Eyes and Face: Chemical safety goggles or safety glasses with side shields.
- Hands/Skin: Impermeable gloves of neoprene, vinyl, rubber or nitrile may be used to avoid contact.
- Other Clothing: Wear suitable protective clothing such as long-sleeve shirt, pants and shoes with socks.
- Hygienic Practices: Wash hands and exposed skin before eating, drinking, smoking or using the toilet.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Tan to flesh colored
Form:	Liquid
Odor:	Creamed corn
Melting Point:	Not applicable
Boiling Point:	Not applicable
Solubility in Water:	Easily dispersible in water
Incompatibility:	None known

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable, material is non-reactive.

Conditions to Avoid: None that are known.

Materials to Avoid: None that are known.

Hazardous Decomposition Products: None that are known.

Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Possible Routes of Entry: Eyes and skin.

Potential Health Effects from Over-exposure:

- Skin/Eye Irritation: Direct contact with skin or eyes may cause slight irritation in some individuals.
- Inhalation: N/A

Section 11 Notes: None of the components of this product are listed as carcinogenic by NTP, IARC or OSHA. While no toxicological studies have been performed on this product, no reports of toxicity have been reported in over 20 years of use. The microbial components are naturally occurring and are non-pathogenic for animal and plants. They have not been genetically modified.

SECTION 12: ECOLOGICAL INFORMATION

Ecological Information: With regard to environmental fate and behavior, this product is not expected to impose any environmental risk. Without continuous application, populations revert to pre-inoculation numbers with no lasting impact on the environment and indigenous populations.

Ecotoxicity Information: This product has been in use for over 20 years for surface water, groundwater and land applications and has never been reported to be toxic to animals or plants.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Method: If this product becomes a waste, it does not meet the criteria of a hazardous waste. As a non-hazardous solid waste, it can be disposed of in an industrial waste landfill in accordance with government regulations.

Empty Container: The empty container can be disposed of as a non-hazardous solid waste or alternatively returned to the vendor for recycle.

Section 13 Notes: Regulatory requirements are subject to change and acceptable methods of disposal may vary by location. The appropriate agencies should be contacted for advisement prior to disposal.

SECTION 14: TRANSPORT INFORMATION

Land:	ADR / RID Class:	European transport of dangerous goods (Road / Rail)	Not controlled under ADR
Water:	IMDG Class:	Transport of hazardous materials by vessel	Not controlled under IMDG
Air:	IATA – DGR Class:	International Air Transport Assoc. (Dangerous Goods)	Not controlled under IATA
Other:	U. S. DOT:	U. S. Department of Transportation	Not Regulated

Section 14 Notes: This product may require importation permits in some countries

SECTION 15: REGULATORY INFORMATION

Labeling According to EC Directives:

Symbol:	Not Required	
R-phrases:	Not Required	
S Phrases:	S 2	Keep out of reach of children
(Recommended)	S 20/21	When using do not eat, drink or smoke

U.S. EPA SARA: (Title III Classification) No acute or chronic health hazards. No fire, release of pressure, or reactivity hazards.

U.S. EPA: No registration required.

SECTION 16: OTHER INFORMATION

User's Responsibility: This material safety data sheet provides health and safety information. This product is to be used in applications consistent with our product literature. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. For any other uses, exposures should be evaluated so that appropriate handling practices and training programs can be established to ensure safe workplace operations.