



ECO Global Engineering Incorporation

Republic of Singapore

(Advanced R&D based Environmental cum Mechanical Engineering Enterprise)

MATERIAL SAFETY DATA SHEET

SECTION - I – IDENTIFICATION

Trade Name:	ECOGEI
Name and/or Family or Description:	A biological and/or enzymatic cleaner and waste treatment A powder containing naturally occurring microorganisms, carriers, and filler.
Chemical Formula:	N.A.
CAS No.:	None
DOT Proper Shipping Name:	Chemicals Not Otherwise Indexed (NOI), Non-Hazardous
DOT Hazard Class:	Excessive ingestion may cause nausea or diarrhea.
DOT Label:	May be irritant to skin and eyes None

SECTION II - COMPONENTS (Hazardous & Other)

Principle Hazardous Components: D-Alanine, D-Aspartic Acid, DGlutamine, DGlutamic Acid, D-Histidine HCl, D-Isoleucine, D-Leucine, D-Methionine, DPhenylalanine, D-Serine, D-Threonine, D-Tryptophane, D-Valine

SECTION III - PHYSICAL DATA

State:	Powdered dry
Appearance:	White
Odor:	Characteristic
Boiling Point:	N/A
Melting Point:	N/A
Vapor Density:	N/A
Solubility In Water:	90%
Storage Conditions:	Store tightly closed in cool place.

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point:	N/A
Ignition Temperature:	N/A
Flammable Limits:	N/A
Special Fire Fighting Procedure:	Full protective clothing and NIOSH-approved self-contained breathing apparatus should be worn. Use water to cool exposed containers.
Extinguishing Media:	Use Dry Chemical, CO ₂ , or Chemical Foam

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Possible allergic response in affected individuals to skin contact, or inhalation of dust from product.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Individuals with known allergies, particularly to feedstuffs as well as those individuals with chronic respiratory diseases or particular susceptibility thereto and those with asthmatic conditions should avoid contact with dusty conditions.

PRIMARY ROUTES OF ENTRY: Ingestion and Inhalation, no appreciable entry known through intact skin although irritation possible, see above.

CARCINOGENICITY: THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN BY THE NATIONAL TOXICOLOGY PROGRAM, THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, OR THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

EMERGENCY AND FIRST AID PROCEDURES

Rinse mouth and throat with water if ingested. Wash affected area of skin with soap and remove contaminated clothing. In case of inhalation, remove from area of exposure; if allergic symptoms occur in 0-48 hours, seek medical attention. If eye contact occurs rinse thoroughly with water for several minutes, seek medical attention if irritation occurs.

WARNING STATEMENTS

CAUTION! MAY CAUSE SKIN OR EYE IRRITATION. STORE IN COOL DRY PLACE. AVOID CONTACT WITH SKIN AND CLOTHING AND EXCESSIVE INHALATION. WASH HANDS, CLOTHING AND EQUIPMENT AFTER USE.

SECTION VI REACTIVITY DATA

STABILITY: Stable

POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Excessive heat and contamination of any kind

MATERIALS TO AVOID: None Known

HAZARDOUS DECOMPOSITION PRODUCTS: No uniquely hazardous decomposition products are expected. If the product is burned, as with any nitrogen containing organic material, oxides or nitrogen,

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carbon dioxide, and water can be produced. Partial combustion may produce, in addition to the above, soot and various oxides of carbon.

SECTION VII - SPILL, LEAK, AND DISPOSAL INFORMATION

WASTE DISPOSAL: Dispose of in a sanitary chemical landfill which complies with all local, state, and federal regulations.

SPILL OR LEAKAGE PROCEDURES: Wear suitable clothing and protective equipment. Sweep up bulk material without releasing dust and reuse wherever possible; where contaminated or unusable, dispose of by land filling.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

Permissible Concentrations: Not established

Respiratory Protection: Wear suitable NIOSH-approved dust masks or respiratory protector where local ventilation exhaust is not available or dusty situations are likely to result.

Ventilation: Provide ventilation to keep exposure below Nuisance Dust Limits. Local exhaust ventilation preferred.

OTHER PROTECTIVE EQUIPMENT: Eye wash facility

Storage and Handling: Maintain good housekeeping, avoid creating aerosol. Keep out of direct sunlight and in cool dry place as deterioration of product and loss of activity may occur under above conditions.

Eye Protection: ANSI approved safety glasses with side protection. It is generally recognized that contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of an eye injury.

Skin Protection: Long sleeved shirt, trousers, safety shoes, and gloves.

Hygienic Practices: Wash hands after handling, as well as any other affected skin areas. Avoid contact with food or food preparatory surfaces. If this occurs wash the area thoroughly with suitable detergent and water. Remove and wash contaminated clothing.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: Maintain good housekeeping, avoid creating aerosols. For maintenance of product quality, store in dry cool (under 110 °F) warehouse conditions.

KEEP OUT OF REACH OF CHILDREN:

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