

SECTION I- PRODUCT INFORMATION

PRODUCT NAME: EM•1® BOKASHI

RECOMMENDED USES: FOOD WASTE RECYCLING, ANIMAL FEED, FERTILIZER

SYNONYMS: ORGANIC RICE BRAN

PRODUCED BY: TERAGANIX, INC
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SECTION II- HAZARD IDENTIFICATION

Pictograms: Not applicable.

Hazard classifications: Not applicable.

Signal word: Not applicable.

Hazard statements: Not applicable.

Precautionary statements: Do not handle until all safety precautions have been read and understood. Do not eat, drink, or smoke while using this product. Wash thoroughly after handling.

Response statements: See Sections 4, 5 and 6 of this SDS. If exposed or concerned, get medical attention.

Storage statements: See Section 7 of this SDS.

Disposal statements: See Section 13 of this SDS.

Hazards not otherwise classified: May be combustible at high temperature.

SECTION III- COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS #	Wt. %
Rice Bran	--	99.8
EM-1 MICROBIAL INOCULANT	--	0.01
BLACKSTRAP MOLASSES	--	0.01

SECTION IV- FIRST AID MEASURES

Inhalation:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration.

Skin contact:

Rinse skin with water. If skin irritation develops, seek medical attention.

Eye contact:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.

Ingestion:

Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

Acute symptoms:

May cause eye irritation. May cause respiratory tract irritation if inhaled in dust form.

SECTION V- FIRE FIGHTING PROCEDURES

Suitable extinguishing media:

Use water spray or other appropriate media for surrounding fire.

Unsuitable extinguishing media:

Do not use direct water stream on burning material.

Hazardous decomposition products:

May decompose upon heating to produce toxic fumes of carbon oxides.

Special protective equipment and precautions for fire fighters:

Wear self-contained breathing apparatus with full positive pressure face piece and appropriate protective clothing.

SECTION VI-SPILL OR LEAK PROCEDURES

Accidental release measures:

Avoid contact with eyes. Avoid inhaling dust and decomposition products.

Cleanup measures:

Spilled material should be swept or vacuumed with a non-sparking vacuum. Wear appropriate PPE as described in Section 8. Place collected material in a clean, closed container for waste disposal. See Section 13 for waste disposal recommendations.

SECTION VII-HANDLING AND STORAGE

Handling:

Avoid contact with skin, eyes, and clothing. Avoid generating and inhaling dusts. Wear protective clothing described in Section 8. Wash thoroughly after handling. Remove immediately contaminated clothing and PPE. Wash before reuse. Maintain exposures below permissible limits described in Section 8.

Storage:

Store in a cool, dry location for flavor acceptability. Avoid temperature extremes. Avoid storing near nonfood items with strong odors – odors may affect overall flavor.

SECTION VIII-PROTECTION INFORMATION

Ingredient	OSHA 8hr PEL	NIOSH 10hr REL	NIOSH 15 min. ST	NIOSH IDLH
Particulates Not Otherwise Regulated	15 mg/m ³ (total) 5 mg/m ³ (resp. frac.)	N/E	N/E	N/E

Ventilation:

Provide sufficient general and local ventilation to maintain exposures below permissible limits.

Respiratory protection:

If ventilation is not adequate to maintain exposures below permissible limits, use a dust mask or air purifying respirator with particulate cartridge. Inspect and test respiratory protection before use.

Skin protection:

Do not use gloves or protective clothing that show signs of permeation or degradation.

Eye protection:

Safety glasses are recommended. Do not use degraded eye or face protection. Maintain a safety shower and eye wash facility in the work area.

SECTION IX-PHYSICAL AND CHEMICAL PROPERTIES

AUTO-IGNITION TEMPERATURE	N/A	ODOR THRESHOLD	N/E
BOILING POINT	N/A	PARTITION COEFFICIENT	N/E
COLOR	N/E	PH	N/A
DECOMPOSITION TEMPERATURE	N/E	PHYSICAL STATE	DRY MIX
EVAPORATION RATE	N/E	RELATIVE DENSITY	N/A
FLAMMABILITY	N/A	SOLUBILITY IN WATER	N/E
FLASH POINT	N/E	UPPER FLAMMABILITY LIMIT	N/A
LOWER FLAMMABILITY LIMIT	N/A	VAPOR DENSITY	N/E
MELTING/FREEZING POINT	N/A	VAPOR PRESSURE	N/E
ODOR	N/E	VISCOSITY	N/E

SECTION X-STABILITY AND REACTIVITY

Chemical stability:

Stable under normal storage and handling conditions. See Section 7 for handling and storage information.

Hazardous reactions:

None known.

Conditions to avoid:

Avoid temperature extremes. Avoid generating dust.

Incompatible materials:

No data.

Hazardous decomposition products:

May decompose upon heating to product toxic fumes of carbon oxides.

SECTION XI-TOXICOLOGICAL INFORMATION

INGREDIENT	TOXICITY VALUE	SOURCE
RICE BRAN	ORAL RAT LD50 NO DATA	NO DATA

NTP: This product contains no ingredients identified by the NTP as a known, or anticipated carcinogen.

IARC: This product contains no ingredients identified by the IARC as a confirmed, possible or probable human carcinogen.

OSHA: This product contains no ingredients identified by OSHA as a carcinogen, or potential carcinogen.

Exposure Symptoms and Effects Dermal:

None known.

Ocular:

May cause eye irritation; red, watery, irritated eyes.

Inhalation:

May cause respiratory irritation if inhaled in dust form; coughing, wheezing, shortness of breath.

Oral:

None known.

Chronic health effects:

None known.

Delayed health effects:

None known.

SECTION XII-ECOLOGICAL INFORMATION

INGREDIENT	TOXICITY VALUE	SOURCE
RICE BRAN	NO DATA	NO DATA

Ecotoxicity terrestrial:

No data.

Persistence and degradability:

No data.

Bioaccumulative potential:

A bioaccumulation factor and/or low Kow have not been established for this product.

Mobility in soil:

No data.

Other adverse effects:

No data.

SECTION XIII-DISPOSAL INFORMATION

Waste handling and disposal:

Dispose of product in accordance with government waste management regulations. Contact your local treatment, storage and disposal facility or environmental regulatory agencies for guidance on acceptable disposal practices.

SECTION XIV-TRANSPORTATION INFORMATION

UN/NA number:	Not regulated for transportation.
UN/NA proper shipping name:	N/A
Transport hazard class(es):	N/A
Packing group:	N/A
Marine pollutant (Yes/No):	No.
Transport in bulk:	Not regulated for transportation.
Emergency response guide # (ERG #):	N/A
Special precautions:	N/A

SECTION XV-REGULATORY INFORMATION

TSCA:	All ingredients are listed on the TSCA Chemical Inventory, or exempted.
CERCLA RQ:	No ingredients listed.
EPCRA TPQ:	No ingredients listed.
EPCRA Section 313	No ingredients listed.
FIFRA:	This is not a pesticide product.
Proposition 65:	No ingredients listed.

SECTION XVI-ADDITIONAL INFORMATION

SDS Legend:

CAS = Chemical Abstract Services registry number; CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act; GHS = Globally harmonized system of classification and labeling of chemicals; IARC = International Agency for Research on Cancer; mg/l = Milligrams per liter; mg/m³ = Milligrams per cubic meter; mmHg = Millimeters of mercury; SDS = (Material) Safety Data Sheet; N.O.S. = Not otherwise specified; NTP = National Toxicology Program; OSHA/PEL = Occupational Safety and Health Administration 8hr Permissible Exposure Limit; RQ = Reportable quantity; STOT = Specific Target Organ Toxin; STP = Standard conditions for temperature and pressure; TSCA = Toxic Substance Control Act; UN/NA = United Nations/North American.

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