



MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: IDENTIFICATION

Product Name: Vermicompost Organic Fertilizer

Product Type: Organic Soil Conditioner / Organic Fertilizer

Recommended Use:

Agricultural fertilizer, horticulture, landscaping, greenhouse cultivation, nurseries, turf management, and home gardening.

Supplier:

BASEKIM

SECTION 2: HAZARD IDENTIFICATION

GHS Classification

This product is **not classified as hazardous** according to the Globally Harmonized System (GHS).

Signal Word

Not Applicable

Hazard Statements

Not classified as hazardous.

Precautionary Statements

- Avoid excessive dust generation.
- Avoid inhalation of dust.
- Wash hands after handling.
- Store in a dry location.
- Keep out of reach of children.



Other Hazards

Product may produce nuisance dust during handling.

Wet product may create slippery surfaces.

No known environmental hazards when used as directed.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture

Mixture

Composition

Component	Concentration
Stabilized Vermicompost	>95%
Naturally occurring organic matter	Balance

Contains naturally occurring:

- Organic Carbon
- Humic substances
- Beneficial microorganisms
- Naturally occurring plant nutrients

No intentionally added hazardous substances.

No hazardous ingredients requiring disclosure under current GHS criteria.

SECTION 4: FIRST AID MEASURES

Eye Contact

Flush eyes immediately with clean water for at least 15 minutes.

Remove contact lenses if present.

Seek medical attention if irritation persists.



Skin Contact

Wash with soap and water.

No special treatment normally required.

Inhalation

Move person to fresh air.

Drink water if throat irritation occurs.

Seek medical attention if respiratory irritation continues.

Ingestion

Rinse mouth with water.

Drink water.

Do not induce vomiting unless instructed by medical personnel.

Seek medical advice if large quantities are swallowed.

Most Important Symptoms

- Mild eye irritation from dust
- Temporary respiratory irritation
- Mild skin dryness after prolonged exposure

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

- Water spray
- Dry chemical
- Carbon dioxide
- Foam



Unsuitable Media

None known.

Specific Hazards

Product is not highly flammable.

Dry organic material may burn under intense fire conditions.

Hazardous Combustion Products

May produce:

- Carbon monoxide
- Carbon dioxide
- Smoke

Protective Equipment

Standard firefighting protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid dust formation.

Wear suitable gloves if handling large quantities.

Environmental Precautions

Prevent excessive release into waterways.

Methods for Cleanup

Sweep or shovel into suitable containers.

Reuse if uncontaminated.



Dispose according to local regulations.

SECTION 7: HANDLING AND STORAGE

Handling

Avoid breathing dust.

Use in well-ventilated areas.

Wash hands after use.

Storage

Store in:

- Cool location
- Dry location
- Well-ventilated warehouse

Protect from:

- Rain
- Moisture
- Direct sunlight

Keep bags sealed until use.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

No specific occupational exposure limits established.

Dust should be maintained below applicable nuisance dust exposure limits.

Engineering Controls

General ventilation is normally sufficient.



Personal Protective Equipment

Eye Protection

Safety glasses when handling bulk material.

Hand Protection

Work gloves.

Respiratory Protection

Dust mask if excessive airborne dust is present.

Skin Protection

Normal work clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Dark brown to black granular material

Odor:

Natural earthy odor

Physical State:

Solid

pH:

6.5–7.5

Melting Point:

Not applicable

Boiling Point:

Not applicable



Flash Point:
Not applicable

Auto-Ignition Temperature:
Not determined

Flammability:
Not classified as flammable

Explosive Properties:
None

Oxidizing Properties:
None

Relative Density:
0.7–0.9 g/cm³

Bulk Density:
Approximately 700–900 kg/m³

Water Solubility:
Partially soluble

Moisture Content:
15–25%

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions.

Chemical Stability

Stable during normal storage.

Conditions to Avoid

- Excessive moisture
- Open flames



- Strong oxidizing conditions

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Under fire conditions:

- Carbon monoxide
- Carbon dioxide
- Organic smoke

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

- Eye contact
- Skin contact
- Inhalation of dust
- Accidental ingestion

Acute Toxicity

Not expected to present acute toxicity.

Skin Corrosion

Not expected.

Eye Irritation

Dust may cause temporary irritation.

Respiratory Sensitization

Not expected.



Skin Sensitization

Not expected.

Mutagenicity

No known effects.

Carcinogenicity

No known carcinogenic ingredients.

Reproductive Toxicity

No known effects.

Specific Target Organ Toxicity

No known effects.

Aspiration Hazard

Not applicable.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Not expected to be harmful.

Persistence

Naturally biodegradable.

Bioaccumulation

Not expected.

Mobility



Limited.

Environmental Impact

Beneficial when used as intended.

Avoid unnecessary discharge into water bodies.

SECTION 13: DISPOSAL CONSIDERATIONS

Unused Product

May be applied to soil according to agricultural recommendations.

Contaminated Product

Dispose according to local regulations.

Packaging

Recycle clean packaging where facilities exist.

Dispose of contaminated packaging in accordance with local regulations.

SECTION 14: TRANSPORT INFORMATION

UN Number

Not regulated.

UN Proper Shipping Name

Not applicable.

Transport Hazard Class



None.

Packing Group

Not applicable.

Marine Pollutant

No.

ADR/RID

Not regulated.

IMDG

Not regulated.

IATA

Not regulated.

SECTION 15: REGULATORY INFORMATION

Prepared in accordance with:

- GHS (Globally Harmonized System)
- OSHA Hazard Communication Standard (29 CFR 1910.1200)
- EU REACH Regulation (EC) No. 1907/2006
- CLP Regulation (EC) No. 1272/2008

This product is not classified as hazardous under current GHS criteria based on its intended composition.

SECTION 16: OTHER INFORMATION

Issue Date:
2026



Revision:
1.0

Prepared For:
BASEKIM

Prepared By:
Technical Department