

PRODUCT
Tornado
GRADE
Amino Acid 10% (liquid)
SDS NO.
SDS-VAN-010
SIGNAL WORD
None

1 IDENTIFICATION

Product name	Tornado
Grade / type	Amino Acid 10% (liquid)
Product use	Fertilizer / plant nutrition (professional & agricultural use)
Company	Vital Agri Nutrients (Private) Limited
Head office	605 Al-Hafeez Heights, Gulberg III, Lahore 54660 · Tel 042-35762215
Factory	49-Km Multan Road, Phool Nagar Bypass, Lahore · Helpline 0300 5003041
Website	www.van.com.pk

2 HAZARD IDENTIFICATION

 Signal word: **None** classification approved by VAN QC

None required

HAZARD STATEMENTS

- Not classified as hazardous under GHS.

PRECAUTIONARY STATEMENTS

- Keep out of reach of children. Not for human or animal consumption.
- Wear protective gloves/eye protection. Wash thoroughly after handling.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Component	Content	Note
Amino Nitrogen	≥10%	balance to 100%
Carrier / inert ingredients	to 100%	non-hazardous

CAS numbers available on request. Any range protects batch variation / confidentiality.

4 FIRST-AID MEASURES

Inhalation	Move to fresh air. Seek medical advice if symptoms persist.
Skin	Wash with plenty of soap and water. Remove contaminated clothing.
Eyes	Rinse cautiously with water for several minutes; remove lenses; get medical attention if irritation persists.
Ingestion	Rinse mouth. Do NOT induce vomiting. Seek medical attention.

5 FIRE-FIGHTING MEASURES

 Product is not flammable. Use extinguishing media suitable for the surrounding fire (water spray, foam, CO₂, dry chemical).

6 ACCIDENTAL RELEASE MEASURES

Contain and collect spillage mechanically into labelled containers for reuse or disposal. Prevent entry to drains and watercourses. Ventilate the area.

7 HANDLING AND STORAGE

Handle with good industrial hygiene. Not for human or animal consumption.

Store in a cool, dry place out of direct sunlight; keep containers tightly closed and upright; do not freeze; shake before use.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Gloves and safety goggles; adequate ventilation. Wash hands after handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Colour	Black
pH	5-7
Density	1.06-1.10 g/cm ³

10 STABILITY AND REACTIVITY

Stable under normal conditions of storage and use. Avoid strong acids/bases and incompatible materials.

11 TOXICOLOGICAL INFORMATION

No significant toxicological effects expected. Dust or mist may cause mild mechanical/nuisance irritation.

12 ECOLOGICAL INFORMATION

No significant ecological hazard expected under normal agricultural use. Avoid over-application and runoff to surface water.

13 DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with local regulations. Empty packaging may be recycled after triple-rinsing (liquids).

14 TRANSPORT INFORMATION

Not classified as a dangerous good for transport (road / rail / sea / air).

15 REGULATORY INFORMATION

PSQCA PS 5606-2023 · manufacturing licence CM/L-4125/2025.

Company: Vital Agri Nutrients (Private) Limited.

16 OTHER INFORMATION

SDS code: SDS-VAN-010 · Revision 3 · Issued July 2026. Supersedes prior version. Prepared to GHS 16-section format.

Abbreviations: GHS = Globally Harmonised System; PPE = personal protective equipment; SO₂ = sulfur dioxide.

Classification status: hazard classification (Sections 2, 11, 12, 14) reviewed and approved by VAN QC, July 2026. Composition and physical data are taken from VAN QC Lab certificates of analysis and product labels.