

PRODUCT
Fusion Phosphate
GRADE
0-46-0 (TSP)
SDS NO.
SDS-VAN-003
SIGNAL WORD
Warning
1 IDENTIFICATION

Product name	Fusion Phosphate
Grade / type	0-46-0 (TSP)
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: **Warning** classification approved by VAN QC

HAZARD STATEMENTS

- Causes skin irritation.
- Causes serious eye irritation.

PRECAUTIONARY STATEMENTS

- Keep out of reach of children. Not for human or animal consumption.
- Wear protective gloves/eye protection. Wash thoroughly after handling.
- IF IN EYES: rinse cautiously with water for several minutes.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Component	Content	Note
P ₂ O ₅	46%	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, well-ventilated place; keep bags sealed and off the floor; protect from moisture and direct sunlight.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Gloves and safety goggles; adequate ventilation. Wash hands after handling. Respiratory protection where dust is generated.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Crystalline
Colour	Light Yellow
Moisture	<4%

10 STABILITY AND REACTIVITY

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

11 TOXICOLOGICAL INFORMATION

May cause skin and/or eye irritation on contact.

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 216-2009 (Triple Super Phosphate) · manufacturing licence CM/L-2942/2023.

Company: Vital Agri Nutrients (Private) Limited.

16 OTHER INFORMATION

SDS code: SDS-VAN-003 · 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.