

POWERDRIP NPK 5-15-45 + TE - SAFETY DATA SHEET

Prepared in 16-section format. Catalogue-based commercial draft requiring confirmation against final formulation, supplier classifications and destination-market legislation.

1. Identification

Product identifier: POWERDRIP NPK 5-15-45 + TE

Recommended use: Water-soluble NPK fertiliser for professional agriculture.

Supplier: CEON Enterprise Ltd, United Kingdom.

Emergency information: Contact local emergency services and the product supplier; insert market-specific emergency telephone before issue.

2. Hazard identification

Based on the available product-family information, the mixture is not assigned a definitive GHS/CLP classification in this draft. Fertiliser dust may mechanically irritate eyes, skin and respiratory tract. Spilled product becomes slippery when wet. Final classification must be established from the complete formulation, raw-material SDSs, impurity profile and applicable jurisdiction.

3. Composition / information on ingredients

Water-soluble fertiliser blend providing approximately 5% total N, 15% water-soluble P₂O₅ and 45% water-soluble K₂O with trace B, Cu, Fe, Mn, Mo and Zn. The exact chemical identity and concentration ranges of salts and chelating agents are confidential formulation information and must be reviewed for regulatory disclosure thresholds.

4. First-aid measures

Inhalation: Move to fresh air. Rinse mouth and seek medical attention if coughing or discomfort persists.

Skin: Remove contaminated clothing and wash with water and soap.

Eyes: Rinse cautiously with clean water for at least 15 minutes; remove contact lenses if easy; obtain medical advice for persistent irritation.

Ingestion: Rinse mouth. Do not induce vomiting unless advised by medical personnel. Give water to a conscious person and seek advice if a significant quantity was swallowed.

5. Fire-fighting measures

Product is not expected to be readily combustible. Use extinguishing media suitable for the surrounding fire. Heating may produce irritating or toxic decomposition gases including nitrogen oxides, phosphorus oxides, sulphur oxides or ammonia depending on formulation. Fire-fighters should use self-contained breathing apparatus and prevent contaminated run-off entering drains.

6. Accidental release measures

Avoid dust generation. Wear eye protection, gloves and suitable respiratory protection where dust cannot be controlled. Sweep or vacuum using a method that minimises airborne dust. Recover clean material where feasible; place contaminated material in labelled containers. Prevent large releases entering surface water, drains and soil.

7. Handling and storage

Use in well-ventilated areas. Avoid breathing dust and prevent contact with eyes. Do not eat, drink or smoke during handling. Keep package dry and tightly closed. Store under cover away from moisture, heat, direct sunlight, strong acids, strong alkalis, oxidisers and incompatible calcium concentrates. Maintain good stock rotation.

8. Exposure controls / personal protection

No product-specific occupational exposure limit established in this draft. Apply local limits for nuisance or inhalable dust. Engineering controls: local exhaust or enclosed transfer where dusty. PPE: safety glasses, work gloves, protective clothing and a particulate respirator selected according to workplace risk assessment.

9. Physical and chemical properties

Appearance: crystalline or powdered solid; colour and odour may vary by batch. Water solubility: high / designed to dissolve in water. pH, bulk density, melting/decomposition range, oxidising properties and particle-size distribution: batch- or formulation-specific; enter verified values before regulatory issue.

10. Stability and reactivity

Stable under recommended dry storage. Avoid moisture, excessive heat and contamination with incompatible materials. Concentrated phosphate solutions can precipitate with calcium. Thermal decomposition may release irritating gases. Hazardous polymerisation is not expected.

11. Toxicological information

No complete toxicological dataset is available for the mixture in this draft. Likely exposure routes are inhalation of dust, eye contact, skin contact and ingestion. Dust may cause transient mechanical irritation. Repeated high-level exposure should be avoided. Classification conclusions require ingredient-level data and bridging assessment.

12. Ecological information

Nutrients can contribute to eutrophication if released in large quantities to water. Avoid uncontrolled discharge. Product components are expected to dissociate or dissolve in water; persistence, bioaccumulation and aquatic toxicity depend on the individual salts and chelates. Use strictly according to agronomic requirements.

13. Disposal considerations

Use product for its intended agricultural purpose where lawful. Dispose of contaminated material and packaging through authorised routes according to local regulations. Do not wash significant residues into drains or natural water. Empty packaging completely before recycling or disposal.

14. Transport information

Not assigned a dangerous-goods transport classification in this draft. Confirm ADR/RID, IMDG and IATA status against the final formulation and current regulations before shipment. Protect cargo from moisture and physical damage. Carry product label, commercial invoice and final SDS.

15. Regulatory information

Fertiliser registration, chemical notification, labelling, UFI/poison-centre obligations and SDS requirements vary by market. The responsible importer or distributor must complete a jurisdiction-specific compliance review before placing the product on the market.

16. Other information

Revision 05, issued 19 July 2026. This document provides safety guidance for trained professional users and is based on available catalogue-level information. It does not replace the final formulation-controlled SDS. Abbreviations: GHS - Globally Harmonized System; CLP - Classification, Labelling and Packaging; PPE - personal protective equipment; ADR/IMDG/IATA - transport frameworks.