

SAFETY DATA SHEET / MSDS

HELEN

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Status	Technical draft for final regulatory validation

1. Identification

Product name: HELEN

Recommended use: Plant nutrition / fertiliser. Supplier: CEON Enterprise Ltd. Emergency contact: use the local supplier or national emergency number shown on the commercial label.

2. Hazard identification

The final GHS/CLP classification must be confirmed from the released formulation, impurity profile and destination-market legal assessment. As a precaution, avoid dust generation and contact with eyes or prolonged skin exposure.

3. Composition / information on ingredients

Declared fertiliser composition:

- Water-soluble phosphorus pentoxide (P₂O₅): 42% w/w
- Water-soluble potassium oxide (K₂O): 52% w/w

Exact raw-material identities and CAS numbers are controlled in the manufacturing formula and final regulatory SDS.

4. First-aid measures

Inhalation: move to fresh air and keep at rest. 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. Ingestion: rinse mouth; do not induce vomiting unless instructed by medical personnel. Seek medical advice if symptoms persist or a significant amount is swallowed.

5. Fire-fighting measures

Use water spray, foam, dry chemical or carbon dioxide as appropriate for the surrounding fire. Product is not intended to be combustible, but packaging and decomposition products may burn. Firefighters should use self-contained breathing apparatus when exposed to fumes.

6. Accidental release measures

Avoid raising dust. Wear appropriate PPE. Prevent large quantities entering drains or surface water. Sweep or vacuum with suitable equipment and place in labelled containers for reuse or disposal. Wash the area with a controlled amount of water.

7. Handling and storage

Handle with good industrial hygiene. Avoid dust formation, inhalation and eye contact. Keep packaging closed and dry. Store in a cool, ventilated place away from moisture, incompatible chemicals, food and feed.

8. Exposure controls / personal protection

No product-specific occupational exposure limit is assigned in this dossier. Use local exhaust ventilation where dust may form. Wear safety glasses, work gloves and protective clothing. Use a particulate respirator where ventilation is insufficient or dust is generated.

9. Physical and chemical properties

Appearance: Fine white, fully water-soluble powder. Odour: mild or characteristic. Solubility: intended to be water-soluble or dispersible as stated in the TDS. pH, bulk density, melting/decomposition point and other parameters: batch/formulation specific and to be confirmed in the final release specification.

10. Stability and reactivity

Stable under normal recommended storage and handling. Avoid moisture, excessive heat, strong oxidisers and incompatible concentrated fertiliser solutions. Thermal decomposition may produce oxides of nitrogen, phosphorus, sulfur, carbon or metals depending on formulation.

11. Toxicological information

Product-specific toxicological testing has not been supplied for this website dossier. Dust may cause mechanical irritation of eyes and respiratory tract. Repeated or excessive ingestion of concentrated micronutrients may be harmful. Evaluate the final formulation under applicable GHS rules.

12. Ecological information

Nutrients can contribute to eutrophication when released in large quantities. Avoid uncontrolled discharge. Micronutrients may be toxic to aquatic organisms at excessive concentrations. Use only at agronomic rates.

13. Disposal considerations

Recover usable product where possible. Dispose of product and packaging according to local fertiliser, waste and packaging regulations. Do not reuse empty packaging for food, feed or drinking water.

14. Transport information

Transport classification is formulation and jurisdiction dependent. The final transport assessment must confirm UN number, proper shipping name, class and packing group. Keep dry, secure loads against movement and protect packaging from damage.

15. Regulatory information

The product must comply with destination-country fertiliser, chemical, labelling, worker-safety and environmental rules. This draft does not constitute a market-specific registration or CLP/GHS legal opinion.

16. Other information

Revision 05. Prepared from the CEON catalogue and agronomic product profile. Final commercial issue requires review by the manufacturer/regulatory responsible person and confirmation of composition, classification, emergency contact, transport and local language requirements.