

# ECO Dust Control - Safety Data Sheet

English reference version - 16-section GHS format

|                      |                                                                |
|----------------------|----------------------------------------------------------------|
| Document code        | AEI-ECO-DC-SDS-EN                                              |
| Version / issue date | 2.0 EN   7 September 2026                                      |
| Supplier             | AEI SpA - Nueva Providencia 1363, Providencia, Santiago, Chile |
| Contact              | info@aei360.com   +56 9 6849 8533   www.aeispa.cl              |

**Water-based formulation. Polyvinyl alcohol (PVAOH/PVOH, CAS 9002-89-5) is the only declared functional polymer.**

**Important regulatory notice**

The classification shown is preliminary and based on the available documentary information. Before this SDS is issued as an official version, the party responsible for the mixture must verify the complete composition, raw-material SDSs, finished-product tests, classification, labelling and transport status for the supplied batch.

## SECTION 1 - Identification

|                                 |                                                                                                                                       |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Product identifier              | ECO Dust Control                                                                                                                      |
| Internal code                   | AEI-ECO-DC-001                                                                                                                        |
| Recommended use                 | Industrial dust suppression, fine-particle binding and superficial stabilisation on approved roads, granular surfaces and work areas. |
| Uses advised against            | Food, medical, human or animal consumption, potable water, discharge to water or use outside the approved technical scope.            |
| Supplier                        | AEI SpA, Nueva Providencia 1363, Providencia, Santiago, Chile                                                                         |
| Contact                         | info@aei360.com   +56 9 6849 8533                                                                                                     |
| Chile toxicological emergencies | CITUC +56 2 2635 3800                                                                                                                 |
| Chile chemical emergencies      | CITUC +56 2 2247 3600                                                                                                                 |
| Destination emergency contact   | To be inserted by the importer/employer before market or site use.                                                                    |

## SECTION 2 - Hazard identification

GHS classification: not classified as hazardous on the basis of the information currently available for the mixture under normal intended use. Confirm this conclusion for the actual formulation and concentration of the supplied batch.

|                   |                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Hazard pictograms | None required on the basis of the preliminary classification                                                                            |
| Signal word       | None required                                                                                                                           |
| Hazard statements | None assigned on the basis of the preliminary classification                                                                            |
| Precautions       | Avoid ingestion and prolonged eye or skin contact. Use gloves and eye protection. Keep containers closed. Prevent uncontrolled release. |
| Other hazards     | Spilled product may create a slippery surface. Spray mist may irritate the respiratory tract.                                           |

## SECTION 3 - Composition / information on ingredients

Aqueous mixture. PVAOH/PVOH is the only declared functional polymer.

| Component | Identification | Function / note |
|-----------|----------------|-----------------|
| Water     | CAS 7732-18-5  | Primary carrier |

| Component                      | Identification                | Function / note                                     |
|--------------------------------|-------------------------------|-----------------------------------------------------|
| Polyvinyl alcohol (PVAOH/PVOH) | CAS 9002-89-5                 | Only functional polymer                             |
| Non-polymeric formulation aids | Confidential where applicable | Disclose when hazardous above applicable thresholds |

## SECTION 4 - First-aid measures

| Route      | Measure                                                                                                                                     |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation | Move to fresh air if spray mist causes discomfort. Obtain advice if symptoms persist.                                                       |
| Skin       | Remove contaminated clothing and wash with water and soap. Obtain advice if irritation persists.                                            |
| Eyes       | Rinse cautiously with water for several minutes. Remove contact lenses if easy. Obtain advice if irritation persists.                       |
| Ingestion  | Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious person. Contact a poison centre or physician if unwell. |

Expected effects: transient eye or skin irritation, respiratory discomfort from mist or gastrointestinal discomfort. Treat symptomatically.

## SECTION 5 - Fire-fighting measures

The supplied product is water-based and is not expected to be flammable under normal conditions. After water loss or during a surrounding fire, thermal decomposition of PVAOH and other organic components may produce carbon oxides and irritating vapours.

- Use extinguishing media suitable for the surrounding fire
- Cool exposed containers with water spray when safe
- Use full protective equipment and self-contained breathing apparatus if smoke or decomposition products are present

## SECTION 6 - Accidental release measures

- Restrict access and mark the area because the surface may be slippery
- Use gloves, eye protection, work clothing and slip-resistant footwear
- Prevent entry into drains, wells, uncontrolled soil and waterways
- Contain with sand, earth or inert absorbent and recover into compatible containers
- Manage waste and cleaning water under applicable local requirements

## SECTION 7 - Handling and storage

- Use adequate ventilation and avoid unnecessary mist generation
- Keep in the original compatible container, tightly closed
- Store under cover in a dry, ventilated area
- Protect from freezing, excessive heat, direct sunlight and contamination
- Do not eat, drink or smoke during handling

## SECTION 8 - Exposure controls / personal protection

Occupational exposure limits for the finished mixture have not been established in the available information.

| Control              | Recommendation                                                                     |
|----------------------|------------------------------------------------------------------------------------|
| Engineering controls | General ventilation and controlled application; avoid aerosolisation.              |
| Eyes                 | Safety glasses or chemical splash goggles during mixing, transfer and application. |
| Hands                | Impervious gloves compatible with the task and exposure duration.                  |
| Skin                 | Long-sleeved work clothing and slip-resistant safety footwear.                     |

| Control     | Recommendation                                                                                                        |
|-------------|-----------------------------------------------------------------------------------------------------------------------|
| Respiratory | Normally not required; select protection through risk assessment if mist is generated or ventilation is insufficient. |
| Hygiene     | Wash hands after handling. Do not eat, drink or smoke in the area.                                                    |

## SECTION 9 - Physical and chemical properties

| Property                          | Available information                                                 |
|-----------------------------------|-----------------------------------------------------------------------|
| Physical state                    | Aqueous liquid                                                        |
| Colour / odour                    | Not determined for this documentary version                           |
| pH                                | Not determined                                                        |
| Density                           | Not determined                                                        |
| Viscosity / solids                | Not determined                                                        |
| Water solubility / dispersibility | Compatible with water according to PVAOH grade and formulation        |
| Flammability                      | Not expected because of the aqueous base; confirm on finished product |
| Freezing / boiling                | Not determined                                                        |

Undetermined values require formulation- and batch-specific data. Do not use assumed values for engineering, transport or compliance decisions.

## SECTION 10 - Stability and reactivity

- Stable under recommended use and storage conditions
- Avoid freezing, excessive heat, contamination and open storage
- Avoid strong oxidisers and unevaluated products
- Thermal decomposition may produce carbon oxides and irritating vapours
- Hazardous polymerisation is not expected under normal conditions

## SECTION 11 - Toxicological information

Complete toxicological testing of the finished mixture is not available for this review. Direct contact may cause transient eye or skin irritation; mist may cause respiratory discomfort and ingestion may cause gastrointestinal discomfort. No conclusive mixture-specific information is available for sensitisation, mutagenicity, carcinogenicity, reproductive toxicity, target-organ toxicity or aspiration hazard.

## SECTION 12 - Ecological information

A complete ecotoxicological study of the finished formulation is not available. Prevent concentrated release and uncontrolled runoff. Raw-material properties do not by themselves determine the environmental classification of the mixture.

## SECTION 13 - Disposal considerations

Recover and manage product, absorbents and packaging according to waste classification and local requirements. Do not discharge concentrated product or wash water to drains or waterways. Use an authorised contractor when required.

## SECTION 14 - Transport information

**Transport classification is not assigned in this reference version. Before dispatch, the shipper must determine the current formulation's UN number, proper shipping name, class, packing group, marine pollutant status and special precautions for the transport mode and destination.**

## SECTION 15 - Regulatory information

Source documents are structured under Chilean Supreme Decree No. 57/2019. Confirm classification, labelling, import, storage, occupational safety, transport, waste and environmental requirements in the destination country before supply or use.

## SECTION 16 - Other information

**Version 2.0 aligns the declared polymer family for Dust Control and ECO Dust Control. PVAOH/PVOH is the only functional polymer. This sheet does not replace the current SDS or the project application specification.**

Structure and identity references consulted: Chilean National Congress Library, Supreme Decree No. 57/2019 ([www.bcn.cl/leychile/Navegar?idNorma=1155752](http://www.bcn.cl/leychile/Navegar?idNorma=1155752)); CITUC ([cituc.uc.cl](http://cituc.uc.cl)); PubChem, Polyvinyl alcohol CAS 9002-89-5 ([pubchem.ncbi.nlm.nih.gov/compound/Poly-vinyl-alcohol](http://pubchem.ncbi.nlm.nih.gov/compound/Poly-vinyl-alcohol)).

This SDS does not replace finished-product testing or review by a competent professional. Revise when formulation, raw material, classification or technical evidence changes.