### Schedule 4 – Relevant industrial chemicals that may cause harm to the environment

The risk management measures apply to the relevant industrial chemical and a mixture containing such a chemical.

The proposed standard is based on information presented in the National Industrial Chemicals Notification and Assessment Scheme (NICNAS) [assessment](https://www.industrialchemicals.gov.au/sites/default/files/Ethane%2C%201%2C2-dichloro-_%20Environment%20tier%20II%20assessment.pdf).

Please note that this proposed standard applies only to chemicals with industrial uses. Other chemical applications, such as for veterinary or medicinal uses, are outside the scope of the Industrial Chemicals Environmental Management Standard (IChEMS) and are managed under separate regulatory frameworks.

Definitions for terms contained in this proposed standard may be found in the [*Industrial Chemicals Environmental Management (Register) Act 2021*](https://www.legislation.gov.au/C2021A00027/latest/text)*, the Industrial* [*Chemicals Environmental Management (Register) Instrument 2022*](https://www.legislation.gov.au/F2022L01658/latest/text)*, the* [*Industrial Chemicals Environmental Management (Register) Principles 2022*](https://www.legislation.gov.au/Details/F2022L01436), or in the [Glossary of IChEMS terms](https://www.dcceew.gov.au/sites/default/files/documents/glossary-of-ichems-terms.pdf).

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| Relevant industrial chemical | Intent and explanatory notes |
| Chemical name: Ethane, 1,2-dichloro-  CAS number: 107-06-2 | Aligns with the chemical name on the Australian Inventory of Industrial Chemicals |
| End uses or generalised end uses | **Intent and explanatory notes** |
| 1. solvent 2. manufacture of other chemicals and products | The chemical is mainly used as a chemical feedstock in the manufacture of polyvinyl chloride (PVC). |
| Risk management measures | **Intent and explanatory notes** |
| 1. This entry comes into effect 1 January 2026 | The commencement date is 6 months after the planned addition to the IChEMS register |
| 1. The chemical (whether on its own or in mixtures) must be managed according to the IChEMS Minimum Standards | [Available online](https://www.dcceew.gov.au/environment/protection/chemicals-management/national-standard/ichems-minimum-standards). As agreed on 4 November 2022 by Commonwealth, State and Territory environmental regulators.  STANDARD 1 – INFORMATION AND AWARENESS  Obtain, share, and use information on the environmental risks of industrial chemicals to ensure that any persons handling the chemical throughout the supply chain are aware of these risks, and enabled to undertake activities using industrial chemicals in an environmentally safe manner.  For introducers (importers and manufacturers) and reformulators, this includes a requirement to develop and provide information to the supply chain about the environmental risks of the industrial chemical, when used for the purpose for which it was manufactured.  STANDARD 2 – RISK MANAGEMENT PLANNING  Identify risks and develop, assess, evaluate and monitor control measures.  STANDARD 3 – HARM MINIMISATION CONTROLS  Apply practicable control measures to eliminate risks, then reduce risks that cannot be eliminated, then manage residual risks using best available techniques and best environmental practices.  STANDARD 4 – ENVIRONMENTALLY SAFE STORAGE  Store and contain industrial chemicals in an environmentally safe manner.  STANDARD 5 – EFFECTIVE RESPONSES TO INCIDENTS  Plan for and respond effectively and promptly to industrial chemical incidents.  STANDARD 6 – ENVIRONMENTALLY RESPONSIBLE WASTE MANAGEMENT  Implement waste management for industrial chemicals in an environmentally safe manner in line with the waste hierarchy and local requirements. |