

Paraquat dichloride hydrate

Product Stewardship Summary

Chemical Name:	Paraquat dichloride hydrate
Synonyms:	Methyl viologen dichloride hydrate; 4,4'-Bipyridinium, 1,1'-dimethyl-, dichloride, hydrate
CAS Number:	75365-73-0
EC (EINECS) Number:	809-813-2
Revision number:	1-2022

- **Chemical identification and uses:** Paraquat dichloride hydrate is a hydrated salt of the viologen paraquat. It typically appears as a non-flammable, colorless, ammoniacal crystalline solid. Paraquat salt is one of the most widely used herbicides in the world, as it is quick-acting and non-selective in its destruction of green plant tissue.
- **Potential exposures:** Exposure to paraquat dichloride hydrate can occur in industrial/manufacturing facilities and/or during work use where the compound is handled in research and development settings. Workers risk exposure primarily through inhalation or skin and eye contact. As it is a known toxic compound, the handling and use of this material must be supervised by qualified individuals. If it is swallowed, one should immediately call a poison center or doctor.
- **Human Health hazards:** Paraquat dichloride hydrate is fatal if inhaled, toxic if swallowed or in contact with skin, causes serious eye irritation, and causes damage to organs through prolonged or repeated exposure if swallowed. . One should refer to See the Safety Data Sheet (SDS) for additional information and any protective information. It is not considered a carcinogen by OSHA, NTP or IARC.
- **Environmental Health hazards:** Paraquat dichloride hydrate is very toxic to aquatic life, with long lasting effects. As such, it should not be released into the environment, and should be disposed of in tightly closed containers to an approve waste disposal plant.
- Please contact us at PMTPSCustomerCare@Honeywell.com for more information. Additional information may also be found at the following links:

[EPA - Paraquat dichloride hydrate](#)

[Pubchem - Paraquat dichloride hydrate](#)



This product stewardship summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to provide an in-depth discussion of all health and safety information. Additional information on the chemical is available through the applicable Material Safety Data Sheet which should be consulted before use of the chemical. The product stewardship summary does not supplant or replace required regulatory and/or legal communication documents. Statements concerning use of our products are made without warranty that any such use is free of patent infringement and are not recommendations to infringe any patent.