

Spirodiclofen

Product Stewardship Summary

Chemical Name:	Spirodiclofen
Synonyms:	3-(2,4-dichlorophenyl)-2-oxo-1-oxaspiro[4.5]dec-3-en-4-yl 2,2-dimethylbutanoate
CAS Number:	148477-71-8
EC (EINECS) Number:	604-636-5
Revision number:	1-2022

- **Chemical identification and uses:** Spirodiclofen is a tetrionic acid, oxaspiro compound, and a gamma-lactone. It is used mainly as a pesticide to control mites and San Jose scale by inhibiting lipid biosynthesis. Per the US EPA, it is typically applied to various crops, including citrus fruits, grapes, pome fruits, stone fruits, and tree nut crops.
- **Potential exposures:** Exposure to Spirodiclofen can occur in industrial/manufacturing facilities and/or during consumer use where the chemical is used (e.g. on a farm). Workers and users risk exposure primarily through inhalation, skin and eye contact, while consumers risk exposure through consumption of crops that have had spirodiclofen applied as a pesticide. Good manufacturing and industrial hygiene practices should be followed to prevent or reduce contact. See the Safety Data Sheet (SDS) for additional information.
- **Human Health hazards:** Spirodiclofen is a known skin sensitizer that is also suspected of causing cancer and damaging fertility. Proper PPE should be worn at all times when handling. One should refer to the Safety Data Sheet (SDS) for additional information and any specific protective information.
- **Environmental Health hazards:** Spirodiclofen is very toxic aquatic life with long lasting effects. It is particularly toxic to fish and aquatic invertebrates, and as such it should not be discharged into the environment. Spirodiclofen is not highly persistent in the environment and because of low vapor pressure it is less volatile.
- Please contact us at PMTPSCustomerCare@Honeywell.com for more information. Additional information may also be found at the following links:
 - [EPA - Spirodiclofen](#)
 - [Pubchem - Spirodiclofen](#)



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.