

## Evaluation Report for Category B, Subcategory 4.6 Application

**Application Number:** 2018-1292  
**Application:** Application to fulfill conditions of registration  
**Product:** DuPont Zorvec Technical Fungicide  
**Registration Number:** 32100  
**Active ingredients (a.i.):** Oxathiapiprolin  
**PMRA Document Number:** 2989439

### Purpose of Application

The purpose of this application was to address the outstanding chemistry conditions, of commercial-scale impurity data and mass spectra, for DuPont Zorvec Technical Fungicide.

### Chemistry Assessment

**Common Name:** Oxathiapiprolin  
**IUPAC\* Chemical Name:** 1-(4-{4-[(5RS)-5-(2,6-difluorophenyl)-4,5-dihydroisoxazol-3-yl]thiazol-2-yl}-1-piperidyl)-2-[5-methyl-3-(trifluoromethyl)-1H-pyrazol-1-yl]ethanone  
  
**CAS† Chemical Name:** 1-[4-[4-[5-(2,6-difluorophenyl)-4,5-dihydro-3-isoxazolyl]-2-thiazolyl]-1-piperidinyl]-2-[5-methyl-3-(trifluoromethyl)-1H-pyrazol-1-yl]ethanone

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

DuPont Zorvec Technical Fungicide has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	97%
Odour	No odour
Specific gravity	1.47
Vapour pressure	$1.141 \times 10^{-6}$ Pa at 20°C
pH	5.4

Property	Result
Solubility in water	0.1844 µg/mL
n-Octanol/water partition coefficient	logKow = 3.67 (pH 7.0)

Data to fulfill the conditions of commercial-scale impurity data and mass spectra were provided, reviewed and found to be acceptable. The chemistry requirements for DuPont Zorvec Technical Fungicide have been fulfilled.

### **Health, Environmental and Value assessments**

Health, environmental and value assessments were not required for this application.

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided, and concluded that the chemistry requirements for DuPont Zorvec Technical Fungicide have been fulfilled.

## References

### PMRA

#### Document

#### Number

#### Reference

2866373

2017, Batch Analysis Of Oxathiapiprolin (DPX-QGU42) Technical (Privacy Removed), DACO: 2.13.3 CBI

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