

## Evaluation Report for Category L, Subcategory 1.1 Application

**Application Number:** 2020-4134  
**Application:** Submission subject to the *Protection of Proprietary Interests in Pesticide Data* (PPIP) policy-Equivalency/Data Compensation Assessment  
**Product:** Sharda OXYFLUORFEN Technical  
**Registration Number:** 34298  
**Active ingredient (a.i.):** Oxyfluorfen  
**PMRA Document Number:** 3255962

### Purpose of Application

The purpose of this application was to register a new source of oxyfluorfen, Sharda OXYFLUORFEN Technical, based on a registered precedent product.

### Chemistry Assessment

**Common Name:** Oxyfluorfen  
**IUPAC\* Chemical Name:** 2-chloro-4-(trifluoromethyl)phenyl 3-ethoxy-4-nitrophenyl ether  
**CAS† Chemical Name:** 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Sharda OXYFLUORFEN Technical has the following properties:

Property	Result
Colour and physical state	Light yellow solid
Nominal concentration	97.5 %
Odour	Odourless
Density	1.3475 g/mL
Vapour pressure	9.33 x 10 <sup>-14</sup> Pa
pH	5.63

<b>Property</b>	<b>Result</b>
Solubility in water	0.000105 g/L (pH 5 and 7) 0.000111 g/L (pH 9)
n-Octanol/water partition coefficient	4.53

The required chemistry data for Sharda OXYFLUORFEN Technical have been provided, reviewed, and found to be acceptable.

### **Value, Health and Environmental Assessments**

Value, health and environmental assessments were not required for this submission.

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the registration of Sharda OXYFLUORFEN Technical.

## References

<b>PMRA Document Number</b>	<b>Reference</b>
3152368	2018, Appearance (Colour, Physical State and Odour) of Oxyfluorfen TC, DACO: 2.14.1,2.14.2,2.14.3
3152369	2018, Accelerated Storage Stability and Corrosion Characteristics of Oxyfluorfen TC, DACO: 2.14.13,2.14.14
3152370	2018, UV-Visible Analysis of Oxyfluorfen TC, DACO: 2.14.12
3152371	2018, Melting Point/Melting Range of Oxyfluorfen TC, DACO: 2.14.4
3152372	2018, Specific Gravity of Oxyfluorfen TC, DACO: 2.14.6 CBI
3152373	2018, Dissociation Constant of Oxyfluorfen TC, DACO: 2.14.10
3152374	2018, Partition Coefficient (n-Octanol/Water) of Oxyfluorfen TC, DACO: 2.14.11 CBI
3152375	2018, Vapour Pressure of Oxyfluorfen TC, DACO: 2.14.9
3152376	2018, Water Solubility of Oxyfluorfen TC, DACO: 2.14.7
3152377	2018, Solubility of Oxyfluorfen TC in Organic Solvents, DACO: 2.14.8
3152378	2020, Determination of Active Content and Impurity Profile of Oxyfluorfen, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
3152383	2017, Determination of [CBI Removed] in Oxyfluorfen, DACO: 2.13.4 CBI
3152384	2018, Justification of the Presence of Impurities in Oxyfluorfen Technical, DACO: 2.11.4 CBI
3152406	2018, Manufacturing Process and Quality Control of Oxyfluorfen Technical, DACO: 2.11.1,2.11.2,2.11.3 CBI

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