

## Evaluation Report for Category L, Subcategory 1.1 Application

**Application Number:** 2023-1369  
**Application:** Application Subject to Protection of Proprietary Interests in Pesticide (PIIP) Data Policy – Equivalency/Data Compensation Assessment  
**Applicant:** Ningbo Yihwei Chemicals Co., Ltd.  
**Product:** Yichem Bentazone Technical  
**Registration Number:** 35195  
**Active ingredient (a.i.):** Bentazon  
**PMRA Document Number:** 3568308

### Purpose of Application

The purpose of this application was to register Yichem Bentazone Technical, a new source of the active ingredient bentazon, based on a registered precedent product.

Common Name: Bentazon  
 IUPAC\* Chemical Name: 3-isopropyl-1*H*-2,1,3-benzothiadiazin-4(3*H*)-one 2,2-dioxide  
 CAS† Chemical Name: 3-(1-methylethyl)-1*H*-2,1,3-benzothiadiazin-4(3*H*)-one 2,2-dioxide

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Yichem Bentazone Technical has the following properties:

Property	Result
Colour and physical state	Off-white solid
Nominal concentration	98.15%
Odour	Mild fruity
Density	1.3418 g/mL
Vapour pressure	$4.5 \times 10^{-3}$ mPa at 20°C
pH	2.77 at 23°C
Solubility in water	570.81 mg/L
n-Octanol/water partition coefficient	$\log K_{ow} = 1.62$ at 22.3°C

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

### **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 has found the information acceptable to support the registration of Yichem Bentazone Technical.

## References

<b>PMRA Document Number</b>	<b>Reference</b>
3452862	2023, Manufacturing Process of Yichem Bentazone Technical, DACO: 2.11.1,2.11.3,2.11.4 CBI
3452872	2017, Batch Data of Yichem Bentazone Technical, DACO: 2.13.1,2.13.2, 2.13.3,2.13.4 CBI
3452873	2017, Physical State, Color and Odor, DACO: 2.14.1,2.14.2,2.14.3
3452874	2017, Melting Point, DACO: 2.14.4
3452875	2017, Density or Specific Gravity, DACO: 2.14.6
3452876	2018, Water Solubility, DACO: 2.14.7
3452877	2017, Solvent Solubility, DACO: 2.14.8
3452878	2018, Vapour Pressure, DACO: 2.14.9
3452879	2017, Dissociation Constant, DACO: 2.14.10
3452880	2017, Partition Coefficient, DACO: 2.14.11
3452881	2018, Stability, DACO: 2.14.13
3452882	2017, pH, DACO: 2.14.15,830.7000
3474422	2023, UV/Visible Absorption Spectra of Bentazone Technical, DACO: 2.14.12

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