

## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2011-1046  
**Application:** Changes to product chemistry: New source for the same registrant as well as new specifications.  
**Product:** Proxel Ultra Technical  
**Registration Number:** 23197  
**Active ingredients (a.i.):** 1,2-benzisothiazolin-3-one  
**PMRA Document Number:** 2090288

### Purpose of Application

The purpose of this application was to register a new source and manufacturing process for Proxel Ultra Technical (Registration number 23197; 84% of 1,2-benzisothiazolin-3-one).

### Chemistry Assessment

Accepted Name: 1,2-benzisothiazolin-3-one  
 IUPAC Chemical Name: 1,2-benzisothiazol-3(2H)-one  
 CAS Chemical Name: 1,2-benzisothiazolin-3-one

Proxel Ultra Technical has the following properties:

Property	Result
Colour and physical state	Off-white (very pale brown) to pale yellow pressed paste
Nominal concentration	84%
Odour	No discernible odour
Density	1.43-1.45 g/mL
Vapour pressure	$5.8 \times 10^{-5}$ Pa at 20°C $1.3 \times 10^{-4}$ Pa at 25°C $5.2 \times 10^{-3}$ Pa at 50°C
pH	4.8 (1% dispersion at 23°C)
Solubility in water	0.02 ppm
n-Octanol/water partition coefficient	Log $K_{ow}$ = 1.3

The chemistry requirements for Proxel Ultra Technical have been completed.

## **Health Assessments**

There were no toxicological concerns identified with the new source for Proxel Ultra Technical.

Dietary and occupational exposure assessments were not required for this application.

## **Environmental and Value Assessment**

Environmental and value assessments were not required for this application.

## **Conclusion**

The PMRA has completed an assessment of available information for Proxel Ultra Technical and has found the information sufficient to support the registration of a new source and manufacturing process for Proxel Ultra Technical.

## **References**

- |         |   |
|---------|---|
| 2023321 | 2010, 23197- 5 batch analysis, DACO: 2.13.2,2.13.3,2.4,2.5,2.6,2.7,2.8,2.9 CBI                                  |
| 2023323 | 2010, 23197- New production process, DACO: 0.9.1, 2.11, 2.11.1, 2.11.2, 2.11.3, 2.11.4 CBI                      |
| 2078973 | 2011, 2.2 and 2.11 Manufacturer Name and Office Address and Plant Name and Address, DACO: 2.11,2.2 CBI          |
| 2084021 | 2011, 2.2 and 2.11 Manufacturer Name and Office Address and Plant Name and Address for F4V2, DACO: 2.11,2.2 CBI |

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