

## Evaluation Report for Category B, Subcategories 1.1, 1.3 Application

**Application Number:** 2019-4027  
**Application:** Changes to TGAI Product Chemistry-New source (site), same registrant  
 Changes to Product Labels-Precautions  
**Product:** Magnacide B Microbiocide Technical  
**Registration Number:** 11626  
**Active ingredient (a.i.):** Acrolein  
**PMRA Document Number :** 3109353

### Purpose of Application

The purpose of this application was to add a new source of technical grade acrolein to a registered product, and to expand the precaution statements on the label.

### Chemistry Assessment

Common Name: Acrolein  
 IUPAC\* Chemical Name: prop-2-enal, acrylaldehyde  
 CAS† Chemical Name: 2-propenal

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Magnacide B Microbiocide Technical has the following properties:

Property	Result
Colour and physical state	Clear colourless liquid (solution)
Nominal concentration	95%
Odour	Sharp pungent
Specific gravity	0.841
Vapour pressure	29.3 kPa
pH	5.1
Solubility in water	20.6 %
n-Octanol/water partition coefficient	log K <sub>ow</sub> = 1.08

The required chemistry data for Magnacide B Microbiocide Technical have been provided,

reviewed, and found to be acceptable.

### **Health Assessments**

The health risk profile of the new source of technical active ingredient is not expected to be significantly different from that of the previously registered sources. Therefore, no toxicological data were submitted or required.

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

### **Environmental Assessment**

No additional risk to the environment is expected from the registration of the new source of acrolein technical compared to previously registered sources.

### **Value Assessment**

A value assessment was not required for this application.

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to support the registration of the new source of technical grade acrolein, and to expand the precaution statements on the label.

### **References**

#### **PMRA**

#### **Document**

<b>Number</b>	<b>Reference</b>
3022320	2019, Acrolein Manufacturing Summary, DACO: 2.11 CBI
3105367	2020, 2019-4027 Addressing Deficiencies (Manufacturing Method), DACO: 2.11.3 CBI
3105370	2020, 2019-4027 Addressing Deficiencies (Batch Data), DACO: 2.13.3 CBI
3022319	2019, Magnacide B Tech Alt source 2019 (5-batch analysis), DACO: 2.13.3 CBI

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