

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2018-5987
Application: New TGAI Product Chemistry, New Source Same Registrant
Product: Magnacide B Microbiocide Technical
Registration Number: 11626
Active ingredient (a.i.): Acrolein
PMRA Document Number: 3093209

Purpose of Application

The purpose of this application was to add a new manufacturing site for the technical product, Magnacide B Microbiocide Technical.

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	0.847
Vapour pressure	29.3 kPa
pH	6 (10% in water)
Solubility in water	20.6 %
n-Octanol/water partition coefficient	$\log K_{ow} = 1.08$

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 is not expected to be significantly different from that of the existing source.

Exposure assessments were not required for this application.

Environmental and Value Assessments

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 it sufficient to support the addition of the new manufacturing site for Magnacide B Microbiocide Technical.

References

PMRA Document Number	Reference
2934795	2018, MAGNACIDE B Tech Alt source 2018 (5-batch analysis), DACO: 2.13.3 CBI
2951802	2018, MAGBtech_manuf summary (alt) production, DACO: 2.11.1 CBI
2951803	2018, MAGBtech_manuf summary (alt) production RMs, DACO: 2.11.2 CBI
3022377	2019, GLP-0184_Clarifications to Canada, DACO: 2.13.1 CBI
3022378	2019, GLP-0184_[CBI Removed] Data, DACO: 2.13.2 CBI
3022379	2019, GLP-0184_Acrolein_Monomer_Data, DACO: 2.13.2 CBI
3022380	2019, GLP-0184_[CBI Removed]_Data, DACO: 2.13.2 CBI
3022381	2019, GLP-0184_[CBI Removed]_Data, DACO: 2.13.2 CBI
3022382	2019, GLP-0184_[CBI Removed]_Removal_Data, DACO: 2.13.2 CBI
3024055	2019, GLP-0184_[CBI Removed]_Data, DACO: 2.13.2 CBI
3037042	2019, Description of the Acrolein Production Process, DACO: 2.11.3 CBI
3057521	2019, Scientific Rationale of Differences in Acetaldehyde and Hydroquinone Levels for Alternate Formulations of Acrolein - Hazard Profile, DACO: 2.13.4, 4.8 CBI

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