

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

**Application Number:** 2021-2074  
**Application:** Changes TGAI Chemistry-New Source (site) and Specifications  
**Product:** Methomyl Technical  
**Registration Number:** 29457  
**Active ingredients (a.i.):** Methomyl  
**PMRA Document Number:** 3366489

### Purpose of Application

The purpose of this application was to register a new source of methomyl for Methomyl Technical.

### Chemistry Assessment

Common Name: methomyl  
 IUPAC\* Chemical Name: methyl (*EZ*)-*N*-[(methylcarbamoyl)oxy]thioacetimidate  
 CAS† Chemical Name: methyl *N*-[[[(methylamino)carbonyl]oxy]ethanimidothioate

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Methomyl Technical has the following properties:

Property	Result
Colour and physical state	Off-white solid
Nominal concentration	99.7%
Odour	Slight mercaptan odour
Density	1.3060 – 1.3088 g/mL at 20°C
Vapour pressure	0.72 mPa at 25°C
pH	6.6 (1% solution)
Solubility in water	5.79 x 10 <sup>4</sup> mg/L
n-Octanol/water partition coefficient	log K <sub>ow</sub> = 0.093

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

### **Health Assessments**

The health risk profile of the technical active ingredient is not expected to be significantly altered by the addition of a new manufacturing site.

Occupational and residue 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 the information sufficient to amend the registration of Methomyl Technical to include a new source of methomyl.

## References

### PMRA

#### Document

<b>Number</b>	<b>Reference</b>
3230410	2020, Batch Analysis of Methomyl [CBI Removed] [Privacy Information Removed] – Final, DACO: 2.13.3 CBI
3230411	2021, Group A - Product Identity and Composition, Description of Materials Used to Produce the Product, Description of Production Process, Discussion of Formation of Impurities, Preliminary Analysis, Certified Limits, and Enforcement Analytical Method for Methomyl, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.13.1, 2.13.2 CBI
3360357	2008, 220610 2.13.1 Study-25842, DACO: 2.13.1 CBI
3360358	2020, 220610 2.13.1 Study 201742, DACO: 2.13.1 CBI
3360359	2022, 220610 [CBI Removed] Manufacturing Process_encrypted_, DACO: 2.11 CBI

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