

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

Application Number:	2009-3237
Application:	B.1.1 – New Source (site) Same Registrant
	B.1.3 – Change to Chemistry Specifications
Product:	Thiencarbazone-methyl Technical Herbicide
<b>Registration Number:</b>	29068
Active ingredients (a.i.):	Thiencarbazone-methyl
PMRA Document Number:	: 2280111

## **Purpose of Application**

The purpose of this application was to register a new site of manufacture and change the chemical specifications for Thiencarbozaone-methyl Technical Herbicide.

## **Chemistry Assessment**

Common Name:	Thiencarbazone-methyl
Chemical Name:	methyl 4-[[[(4,5-dihydro-3-methoxy-4-methyl-5-oxo-1H-1,2,4-triazol-1-yl)carbonyl]amino]sulfonyl]-5-methyl-3-thiophenecarboxylate

Property	Result
Colour and physical state	Light yellow solid
Nominal concentration	97.8 %
Odour	no characteristic odour
Specific gravity	1.52
Vapour pressure	8.8 x 10 <sup>-14</sup> Pa (20 °C)
рН	3.8 (1 % solution)
Solubility in water	pH 4 172 mg/L pH 7 436 mg/L pH 9 417 mg/L distilled water:72 mg/L
n-Octanol/water partition coefficient	$\begin{array}{cccc} \underline{pH} & \underline{\log K_{ow}} \\ 4 & -0.13 \\ 7 & -1.98 \\ 9 & -2.14 \end{array}$

Thiencarbazone-methyl Technical Herbicide has the following properties:

The chemistry requirements for Thiencarbazone-methyl Technical Herbicide are complete.

#### Health Assessment

The new site of manufacture of Thiencarbazone-methyl Technical Herbicide is considered toxicologically equivalent. Therefore, no new toxicological data were required.

As the new site of manufacture will not alter the chemical properties of the registered Thiencarbazone-methyl Technical Herbicide, no change in the magnitude of the residues is anticipated. Therefore, the dietary exposure is not expected to increase and will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

# **Environmental and Value Assessments**

Environmental and value assessments were not required for this application.

# Conclusion

The PMRA has reviewed the information provided and has determined the new site of manufacture of Thiencarbazone-methyl Technical Herbicide is acceptable.

#### References

PMRA No	Title
1795041	2009, Thiencarbazone-methyl Technical Herbicide Manufactured at [CBI removed], DACO: 2.0, 2.1, 2.11, 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12, 2.12.1, 2.13, 2.13.1, 2.13.2, 2.13.3, 2.2, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI
1795053	2009, Thiencarbazone-methyl (BYH 18636) - Description of the manufacturing process of the technical grade active substance - [CBI removed] CBI
1795052	2009, Thiencarbazone-methyl (BYH 18636) technical material manufactured by [CBI removed] - Discussion of the formation of impurities, DACO: 2.11.4 CBI
1409997	2006, Thiencarbazone-methyl / BYH 18636 - Determination of active substance in technical material HPLC - internal standard, DACO: 2.13.1,IIA 4.2.1 CBI
1409996	2006, Validation of Thiencarbazone-methyl Determination of active substance in technical material HPLC - internal standard, DACO: 2.13.1,IIA 4.2.1 CBI
1410001	2006, Thiencarbazone-methyl / BYH 18636 - By-products in technical grade active substance HPLC - external standard, DACO: 2.13.4,IIA 4.2.3 CBI
1410000	2006, Validation of HPLC-method AM0036006MP1 - Thiencarbazone-methyl by-products in technoical grade active substance HPLC - external standard, DACO: 2.13.4,IIA 4.2.3 CBI
1795054	2009, Material accountability of thiencarbazone-methyl manufactured at [CBI removed] - Five batches of technical thiencarbazone-methyl, DACO: 2.12.1,2.13.2,2.13.3 CBI
1795055	2009, Material accountability of thiencarbazone-methyl manufactured at [CBI removed] - Six batches of technical thiencarbazone-methyl, DACO: 2.12.1,2.13.2,2.13.3 CBI

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