

FINAL REGISTRATION REPORT

Part B

Section 10

Assessment of the relevance of metabolites in groundwater

Detailed summary of the risk assessment

Product code: SHA 2600 E

Product name: PENSHUI

Chemical active substance:

Pendimethalin, 455 g/L

Central Zone

Zonal Rapporteur Member State: Poland

CORE ASSESSMENT

Applicant: Sharda Cropchem España S.L.:

Submission date: June 2020

MS Finalisation date: **01/2021 ; 04/2022**

Version history

When	What
January 2021	Assessment by expert
April 2022	The Final Version of RR

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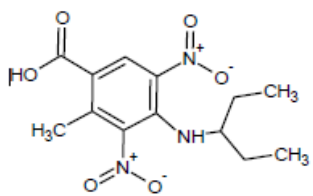
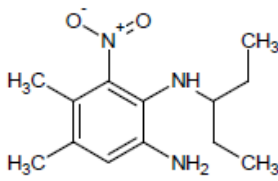
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10 Relevance of metabolites in groundwater

10.1 General information

The Pendimethalin metabolites M455H001 and M455H033 are not predicted to occur in groundwater at concentrations above 0.1 µg/L (see Chapter 8.8 of Part B section 8 of the dRR). Assessment of the relevance of these metabolites according to the stepwise procedure of the EC guidance document SAN-CO/221/2000 –rev.10 is therefore not required.

Table 10.1-1: General information on the metabolite(s)

Name of active substance	Metabolite name and code	Structural/molecular formula	Trigger for relevance assessment	
Pendimethalin	M455H001 2-methyl-3,5- di-nitro-4-(pentan- 3-ylamino)benzoic acid		Max PEC _{gw} Based on:	<0.1 µg/L
Pendimethalin	M455H033 4,5-dimethyl-3-nitro-N2-(pentan-3-yl)benzene- 1,2-diamine		Max PEC _{gw} Based on:	< 0.1 µg/L

10.2 Relevance assessment

Not relevant.

10.2.1 STEP 1: Exclusion of degradation products of no concern

Not relevant.

10.2.2 STEP 2: Quantification of potential groundwater contamination

Not relevant.

10.2.3 STEP 3: Hazard assessment – identification of relevant metabolites

10.2.3.1 STEP 3, Stage 1: screening for biological activity

Not relevant.

10.2.3.2 STEP 3, Stage 2: screening for genotoxicity

Not relevant.

10.2.3.3 STEP 3, Stage 3: screening for toxicity

Not relevant.

10.2.4 STEP 4: Exposure assessment – threshold of concern approach

Not relevant.

10.2.5 STEP 5: Refined risk assessment

Not relevant.

Pendimethalin metabolites M455H001 and M455H033 are not predicted to occur in groundwater at concentrations above 0.1 µg/L, therefore assessment of the relevance of these metabolites is not required.

Acceptable

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Appendix 1 Lists of data considered in support of the evaluation

Appendix 2 Additional information