

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

## Table of Contents

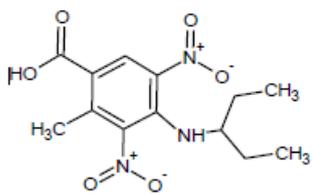
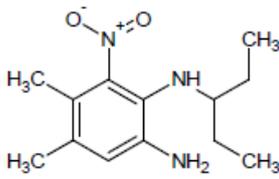
<b>10</b>	<b>Relevance of metabolites in groundwater .....</b>	<b>4</b>
10.1	General information .....	4
10.2	Relevance assessment .....	4
10.2.1	STEP 1: Exclusion of degradation products of no concern .....	4
10.2.2	STEP 2: Quantification of potential groundwater contamination.....	4
10.2.3	STEP 3: Hazard assessment – identification of relevant metabolites.....	4
10.2.3.1	STEP 3, Stage 1: screening for biological activity .....	4
10.2.3.2	STEP 3, Stage 2: screening for genotoxicity .....	5
10.2.3.3	STEP 3, Stage 3: screening for toxicity .....	5
10.2.4	STEP 4: Exposure assessment – threshold of concern approach.....	5
10.2.5	STEP 5: Refined risk assessment.....	5
<b>Appendix 1</b>	<b>Lists of data considered in support of the evaluation.....</b>	<b>6</b>
<b>Appendix 2</b>	<b>Additional information.....</b>	<b>6</b>

## 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 <sub>gw</sub>	<0.1 µg/L
			Based on:	
Pendimethalin	M455H033 4,5-dimethyl-3-nitro-N2-(pentan-3-yl)benzene- 1,2-diamine		Max PEC <sub>gw</sub>	< 0.1 µg/L
			Based on:	

### 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**