

FINAL REGISTRATION REPORT

Part B

Section 1: Identity

Section 2: Physical and chemical properties

Section 4: Further information

Detailed summary of the risk assessment

Product code: SHA 0100 Y

Product name: DECIDE

Chemical active substance:

Deltamethrin, 50 g/L

Central Zone

Zonal Rapporteur Member State: Poland

CORE ASSESSMENT

Applicant: SHARDA Cropchem España S.L.

Submission date: August 2019

MS Finalisation date: September 2021; April 2022

Version history

When	What
August 2020	Updated by Applicant
September 2021	Assessment finalised by RMS
April 2022	The final version of RR

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Sufficient data on identity, physical and chemical properties and other information are available for the plant protection product and the contained technical active substance(s).

Noticed data gaps are:

- 2 years ambient shelf life study (authorisation can be granted for 1 year only)

1 Section 1: Identity of the plant protection product

1.1 Applicant (KCP 1.1)

Name: Sharda Cropchem España S.L
Address: Edificio Atalayas Business Center,
Carril Condomina nº 3, 12th Floor,
30006 Murcia, Spain
Phone: +34868127589
FAX: +34868127588

1.2 Producer of the plant protection product and of the active substances (KCP 1.2)

1.2.1 Producer(s) of the preparation

Name: Sharda Cropchem Ltd.
Address: Prime Business Park
Dashrathlal Joshi Road
Vile Parle (West)
Mumbai – 400 056
India
Phone number: + 91 22 6678 2800
Fax number: + 91 22 6678 2828/ 2808
Email: shardaint@vsnl.com
regn@shardaintl.com

1.2.2 Producer(s) of the active substance(s)

Name: Sharda Cropchem Ltd.
Address: Prime Business Park
Dashrathlal Joshi Road
Vile Parle (West)
Mumbai – 400 056
India
Phone number: + 91 22 6678 2800
Fax number: + 91 22 6678 2828/ 2808
Email: shardaint@vsnl.com
regn@shardaintl.com

1.2.3 Statement of purity (and detailed information on impurities) of the active substance(s)

1.2.3.1 Deltamethrin

Deltamethrin min. 980 g/kg (EU Review Report (2002) 6504/VI/99-final)
 min. 980 g/kg (Sharda source)

1.3 Trade names and producer's development code numbers for the preparation (KCP 1.3)

Trade name: DECIDE
 Company code number: SHA 0100 Y

1.4 Detailed quantitative and qualitative information on the composition of the preparation (KCP 1.4)

1.4.1 Composition of the plant protection product (KCP 1.4.1)

Table 1.4-1: Active substance(s) and variant(s) of the active substance(s)

Active substance / variant	Declared content of the pure active substance / variant (g/L or g/kg)	FAO Limits (min – max)	Technical content* (g/L or g/kg)	Technical content** (%w/w)
Deltamethrin	50	45-55 g/L (± 10% of the declared content)	51.02 g/L	4.99 %w/w

* Based on the minimum purity of the active substance declared for registration in the active substance dossiers

** Based on the density of the formulation = 1.0229 g/mL at 20.3°C

Table 1.4-2: Relevant impurities

Relevant impurity	Maximum content (g/L or g/kg)
Not relevant	-

1.4.2 Information on the active substance(s) (KCP 1.4.2)

Table 1.4-3: Information on Deltamethrin

Type	Name/Code Number
ISO common name	Deltamethrin
CAS No.	52918-63-5
EC No.	258-256-6
CIPAC No.	333

1.4.3 Information on safeners, synergists and co-formulants (KCP 1.4.3)

CONFIDENTIAL information is provided separately (Part C).

1.5 Type and code of the plant protection product (KCP 1.5)

Type: Capsule suspension

[Code: CS]

1.6 Function (KCP 1.6)

The product DECIDE is an insecticide.

2 Section 2: Physical, chemical and technical properties of the plant protection product

All studies have been performed in accordance with the current requirements and the results are deemed to be acceptable. The appearance of the product is that of liquid ~~creamy hazelnut~~ off white coloured. It is not explosive, has no oxidising properties. The product is not flammable/has a flash point of 97.7 °C. It has a self-ignition temperature of 599.6 °C. In 1% aqueous solution, it has a pH value around 7.06 ± 0.05 at $20 \pm 2^\circ\text{C}$. There is no effect of low and high temperature on the stability of the formulation, since after 7 days at 0 °C and 14 days at 54 °C, neither the active ingredient content nor the technical properties were changed. The study of the shelf-life of at least 2 years at ambient temperature is on-going, the final report will be provided as soon as available. Its Technical characteristics of the product are acceptable for a *capsule suspension* formulation.

The intended concentration of use is ~~0.00016% to 0.00125%~~ 0.015% v/v to 0.075% v/v.

Justified Proposals for Classification and Labelling (KCP 12) for physical chemical part only

Neither classification or labelling are relevant for this section.

Notifier Proposals for Risk and Safety Phrases (KCP 12)

No risk and safety phrases are relevant for this section.

Compliance with FAO specifications:

~~The product Deltamethrin 5% CS complies with FAO specifications.~~

At the time of the evaluation, no FAO specification for deltamethrin in the form of capsule suspension was allocated.

Formulation used for tests

The product used to determine the physical, chemical and technical properties in the one cited in Part C.

Table 2-1: Physical, chemical and technical properties of the plant protection product

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
Colour and physical state (KCP 2.1)	OPPTS 830.6302, OPPTS 830.6303 and OPPTS 830.6304	Deltamethrin 5% CS (Batch No. SCL-89521)	Off white colored (N 9.5) Liquid with strong aromatic odor	Y	XXX V. S. M., 2018, report No. G13965	Accepted
Explosive properties (KCP 2.2.1)	EEC A.14	Deltamethrin 5% CS (Batch No. SCL-89521)	Non-explosive when subjected to thermal sensitivity (flame) and mechanical sensitivity (shock) tests.	Y	XXX V. S. M., 2018, report No. G13957	No explosion, no bursting after heating with flame. No bursting nor sparks in mechanical sensitivity test. Accepted.
Oxidizing properties (KCP 2.2.2)	EEC A.21	Deltamethrin 5% CS (Batch No. SCL-89521)	Deltamethrin 5% CS is non-oxidizer.	Y	XXX V. S. M., 2018, report No. G13958	During the test no spontaneous ignition was noted; the mean pressure rise time was lower than reference substance. Accepted.
Flash point (KCP 2.3.1)	EEC A.9 and CIPAC MT 12	Deltamethrin 5% CS (Batch No. SCL-89521)	The flash point of Deltamethrin 5% CS was greater than 97.7 ±0.1°C.	Y	XXX V. S. M., 2018, report No. G13959	The test was performed with Pensky-Martens apparatus. No flash was observed in preliminary test. The formulation is not flammable. Accepted.
Flammability (KCP 2.3.2)	EEC A.9 and CIPAC MT 12	Deltamethrin 5% CS (Batch No. SCL-89521)	The flash point of Deltamethrin 5% CS was greater than 97.7 ± 0.1°C.	Y	XXX V. S. M., 2018, report No. G13959	

Self-heating (KCP 2.3.3)	EEC A.15	Deltamethrin 5% CS (Batch No. SCL-89521)	Deltamethrin 5% CS has 599.6°C of Cool Flame Temperature and 600.1°C of Auto-ignition Temperature.	Y	XXX V. S. M. , 2018, report No. G13964	Accepted.
Acidity or alkalinity and pH (KCP 2.4.1)	CIPAC MT 75.3, OPPTS 830.7000 and CIPAC MT 191	Deltamethrin 5% CS (Batch No. SCL-89521)	pH of 1% w/v aqueous suspension = 7.06 ± 0.05 at $20 \pm 2^\circ\text{C}$	Y	XXX V. S. M. , 2018, report No. G13965	Accepted.
pH of a 1% aqueous dilution, emulsion or dispersion (KCP 2.4.2)	-	-	Not required.	-	-	
Viscosity (KCP 2.5.1)	CIPAC MT 192	Deltamethrin 5% CS (Batch No. SCL-89521)	<u>At 20°C:</u> Mean dynamic viscosity: 490.13 ± 64.95 cP/mPa.s Mean kinematic viscosity: 476.32 ± 63.12 cSt/mm ² /s <u>At 40°C:</u> Mean dynamic viscosity: 477.92 ± 60.48 cP/mPa.s Mean kinematic viscosity: 464.45 ± 58.78 cSt/mm ² /s	Y	XXX V. S. M. , 2018, report No. G139560 G13960	The shear rates used (40, 50, 60 rpm) were lower than recommended in the MT192. At 40°C the kinematic viscosity (calculated from dynamic viscosity) decreased with the increasing share rate from 529.53 ± 7.33 to 388.00 ± 1.11 mm ² /s. The formulation does not pose an aspiration hazard. Accepted.
Surface tension (KCP 2.5.2)	OECD 115 and EEC A.5	Deltamethrin 5% CS (Batch No. SCL-89521)	The surface tension of 1g/L aqueous solution of Deltamethrin 5% CS was determined to be 31.972 dynes/cm at 20.2°C.	Y	XXX V. S. M. , 2018, report No. G139561 G13961	Accepted.

Relative density (KCP 2.6.1)	OPPTS 830.7300, CIPAC MT 3 and EEC A.3	Deltamethrin 5% CS (Batch No. SCL-89521)	The relative density was found to be 1.0229 ± 0.0089 g/mL at 20.3°C.	Y	XXX V. S. M., 2018, report No. G139562 G13962	Accepted.																											
Bulk density (KCP 2.6.2)	-	-	Not required.	-	-																												
Storage Stability after 14 days at 54° C (KCP 2.7.1)	OPPTS 830.6313 and CIPAC MT 46.3.1	Deltamethrin 5% CS (Batch No. SCL-89521)	<table border="1"> <thead> <tr> <th>Parameter</th> <th>T0</th> <th>After 14 days at 54°C</th> </tr> </thead> <tbody> <tr> <td>Active Ingredient content (% m/m)</td> <td>5.01± 0.03</td> <td>4.97 ± 0.03 0.04</td> </tr> <tr> <td>Apperance (Colour, Physical state and Odor)</td> <td>Off white colored (N 9.5/) Liquid with strong aromatic odor</td> <td>Off white colored (N 9.5/) Liquid with strong aromatic odor</td> </tr> <tr> <td>pH of 1% w/v aqueous suspension</td> <td>7.06 ± 0.05</td> <td>7.02 ± 0.01</td> </tr> <tr> <td>Suspensibility (%m/m) At min.conc (0.25 mL/L) At max.conc (1.25 mL/L)</td> <td>99.53 ± 0.19 98.23 ± 0.12</td> <td>99.18 ± 0.66 97.99 ± 0.25</td> </tr> <tr> <td>Wet sive (% m/m retained on 75 µm sive)</td> <td>0.017 ± 0.002</td> <td>0.017 ± 0.004</td> </tr> <tr> <td>Spontaneity of dispersion (% m/m)</td> <td>98.02 ± 0.04</td> <td>97.94 ± 0.01</td> </tr> <tr> <td>Pourability (% m/m) Residue (R) Rinsed residue (R')</td> <td>1.67 ± 0.04 0.16 ± 0.02</td> <td>1.66 ± 0.07 0.15 ± 0.04</td> </tr> <tr> <td>Corrosion Characteristics</td> <td>Non-corrosive to HDPE – COEX container</td> <td>Non-corrosive to HDPE – COEX container</td> </tr> </tbody> </table>	Parameter	T0	After 14 days at 54°C	Active Ingredient content (% m/m)	5.01± 0.03	4.97 ± 0.03 0.04	Apperance (Colour, Physical state and Odor)	Off white colored (N 9.5/) Liquid with strong aromatic odor	Off white colored (N 9.5/) Liquid with strong aromatic odor	pH of 1% w/v aqueous suspension	7.06 ± 0.05	7.02 ± 0.01	Suspensibility (%m/m) At min.conc (0.25 mL/L) At max.conc (1.25 mL/L)	99.53 ± 0.19 98.23 ± 0.12	99.18 ± 0.66 97.99 ± 0.25	Wet sive (% m/m retained on 75 µm sive)	0.017 ± 0.002	0.017 ± 0.004	Spontaneity of dispersion (% m/m)	98.02 ± 0.04	97.94 ± 0.01	Pourability (% m/m) Residue (R) Rinsed residue (R')	1.67 ± 0.04 0.16 ± 0.02	1.66 ± 0.07 0.15 ± 0.04	Corrosion Characteristics	Non-corrosive to HDPE – COEX container	Non-corrosive to HDPE – COEX container	Y	XXX V. S. M., 2018, report No.G13965	The change in a.s. content during storage was 0.8%. No significant changes of the physical, chemical, and technical properties of the formulation were observed following storage in commercial packaging made of HDPE-COEX. During storage the packaging material proved to be resistant to its content (no perforations, staining, discoloration, nor leaking). Accepted.
Parameter	T0	After 14 days at 54°C																															
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Corrosion Characteristics	Non-corrosive to HDPE – COEX container	Non-corrosive to HDPE – COEX container																															
Stability after storage for other periods and/or temperatures (KCP 2.7.2)	-	-	Not required.	-	-																												
Minimum content after heat stability testing (KCP 2.7.3)	-	-	Not required.	-	-																												

Effect of low temperatures on stability (KCP 2.7.4)	CIPAC MT 39.3	Deltamethrin 5% CS (Batch No. SCL-89521)	<table border="1"> <thead> <tr> <th>Parameter</th> <th>T0</th> <th>After 14 days at 54°C</th> </tr> </thead> <tbody> <tr> <td>Apperance (Colour, Physical state and Odor)</td> <td>Off white colored (N 9.5/) Liquid with strong aromatic odor</td> <td>Off white colored (N 9.5/) Liquid with strong aromatic odor</td> </tr> <tr> <td>pH of 1% w/v aqueous suspension</td> <td>7.06 ± 0.05</td> <td>7.23 ± 0.02</td> </tr> <tr> <td>Suspensibility (% m/m) At min.conc (0.25 mL/L) At max.conc (1.25 mL/L)</td> <td>99.53 ± 0.19 98.23 ± 0.12</td> <td>99.85 ± 0.02 97.32 ± 0.08</td> </tr> <tr> <td>Wet sive (% m/m retained on 75 µm sive)</td> <td>0.017 ± 0.002</td> <td>0.020 ± 0.003</td> </tr> <tr> <td>Spontaneity of dispersion (% m/m)</td> <td>98.02 ± 0.04</td> <td>97.62 ± 0.04</td> </tr> <tr> <td>Pourability (% m/m) Residue (R) Rinsed residue (R')</td> <td>1.67 ± 0.04 0.16 ± 0.02</td> <td>1.71 ± 0.08 0.18 ± 0.02</td> </tr> </tbody> </table>	Parameter	T0	After 14 days at 54°C	Apperance (Colour, Physical state and Odor)	Off white colored (N 9.5/) Liquid with strong aromatic odor	Off white colored (N 9.5/) Liquid with strong aromatic odor	pH of 1% w/v aqueous suspension	7.06 ± 0.05	7.23 ± 0.02	Suspensibility (% m/m) At min.conc (0.25 mL/L) At max.conc (1.25 mL/L)	99.53 ± 0.19 98.23 ± 0.12	99.85 ± 0.02 97.32 ± 0.08	Wet sive (% m/m retained on 75 µm sive)	0.017 ± 0.002	0.020 ± 0.003	Spontaneity of dispersion (% m/m)	98.02 ± 0.04	97.62 ± 0.04	Pourability (% m/m) Residue (R) Rinsed residue (R')	1.67 ± 0.04 0.16 ± 0.02	1.71 ± 0.08 0.18 ± 0.02	Y	XXX V. S. M. , 2018, report No. G13965	No significant changes of the physical, chemical, and technical properties of the formulation were observed after the freeze thaw stability test. Accepted.
			Parameter	T0	After 14 days at 54°C																						
			Apperance (Colour, Physical state and Odor)	Off white colored (N 9.5/) Liquid with strong aromatic odor	Off white colored (N 9.5/) Liquid with strong aromatic odor																						
			pH of 1% w/v aqueous suspension	7.06 ± 0.05	7.23 ± 0.02																						
			Suspensibility (% m/m) At min.conc (0.25 mL/L) At max.conc (1.25 mL/L)	99.53 ± 0.19 98.23 ± 0.12	99.85 ± 0.02 97.32 ± 0.08																						
			Wet sive (% m/m retained on 75 µm sive)	0.017 ± 0.002	0.020 ± 0.003																						
			Spontaneity of dispersion (% m/m)	98.02 ± 0.04	97.62 ± 0.04																						
			Pourability (% m/m) Residue (R) Rinsed residue (R')	1.67 ± 0.04 0.16 ± 0.02	1.71 ± 0.08 0.18 ± 0.02																						
Ambient temperature shelf life (KCP 2.7.5)		Study is on-going																									
Shelf life in months (if less than 2 years) (KCP 2.7.6)	-	-	Not required.	-	-																						
Wettability (KCP 2.8.1)	-	-	Not relevant for liquids.	-	-																						
Persistence of foaming (KCP 2.8.2)	CIPAC MT 47.2	Deltamethrin 5% CS (Batch No. SCL-89521)	At minimum recommended test item concentration (0.25 mL/L) – 99.53 ± 0.19 % m/m 6.67±1.15 mL at 10 sec, 2±0 mL at 1 min, vanished after 1 min. At maximum recommended test item concentration (1.25 mL/L) – 98.23 ± 0.12 % m/m 16.67±1.15 mL at 10 sec, 6±0 mL at 1 min, 5.53±1.15 mL at 3 min., 4.00±0 mL at 12 min.	Y	XXX V. S. M. , 2018, report No. G13965	The test concentration at high level (1.25 mL/L) was higher than the maximum recommended concentration (0.75 mL/L). Accepted.																					

Suspensibility (KCP 2.8.3.1)	CIPAC MT 184	Deltamethrin 5% CS (Batch No. SCL-89521)	At min.conc (0.25 mL/L) - 99.53 ± 0.19 % m/m At max.conc (1.25 mL/L) - 98.23 ± 0.12 % m/m	Y	XXX V. S. M., 2018, report No. G13965	The test was performed with standard water D at 30°C. The test concentration at high level (1.25 mL/L) was higher than the maximum recommended concentration (0.75 mL/L). The diluted suspension was analysed by HPLC. Accepted.																						
Spontaneity of dispersion (KCP 2.8.3.2)	CIPAC MT 160	Deltamethrin 5% CS (Batch No. SCL-89521)	At the rate of 12.5 mL/250 mL – 98.02 ± 0.04 % m/m	Y	XXX V. S. M., 2018, report No. G13965	The test was performed with standard water D at 30°C. The diluted suspension was analysed by HPLC. Accepted.																						
Dispersion stability (KCP 2.8.3.3)	-	-	Not required.	-	-																							
Degree of dissolution and dilution stability (KCP 2.8.4)	-	-	Not required.	-	-																							
Particle size distribution / nominal size range of granules (KCP 2.8.5.1.1)	CIPAC MT 187	Deltamethrin 5% CS (Batch No. SCL-12589)	<table border="1"> <thead> <tr> <th>d</th> <th>Average particle size distribution (µm)</th> </tr> </thead> <tbody> <tr><td>0,1</td><td>0,755</td></tr> <tr><td>0,2</td><td>1,798</td></tr> <tr><td>0,3</td><td>2,489</td></tr> <tr><td>0,4</td><td>3,139</td></tr> <tr><td>0,5</td><td>3,850</td></tr> <tr><td>0,6</td><td>4,686</td></tr> <tr><td>0,7</td><td>5,744</td></tr> <tr><td>0,8</td><td>7,238</td></tr> <tr><td>0,9</td><td>9,957</td></tr> <tr><td>0,9999</td><td>40,465</td></tr> </tbody> </table>	d	Average particle size distribution (µm)	0,1	0,755	0,2	1,798	0,3	2,489	0,4	3,139	0,5	3,850	0,6	4,686	0,7	5,744	0,8	7,238	0,9	9,957	0,9999	40,465	Y	XXX. B., 2020, report No. ICB/76/2020	Determination of the particle size was performed with the laser diffraction method. Accepted.
d	Average particle size distribution (µm)																											
0,1	0,755																											
0,2	1,798																											
0,3	2,489																											
0,4	3,139																											
0,5	3,850																											
0,6	4,686																											
0,7	5,744																											
0,8	7,238																											
0,9	9,957																											
0,9999	40,465																											

Wet sieve test (KCP 2.8.5.1.2)	CIPAC MT 185	Deltamethrin 5% CS (Batch No. SCL-89521)	% m/m retained on 75 µm sieve – 0.017 ± 0.002	Y	XXX V. S. M., 2018, report No. G13965	Accepted.
Dust content (KCP 2.8.5.2.1)	-	-	Not relevant for liquids.	-	-	
Particle size of dust (KCP 2.8.5.2.2)	-	-	Not relevant for liquids.	-	-	
Attrition (KCP 2.8.5.3)	-	-	Not relevant for liquids.	-	-	
Hardness and integrity (KCP 2.8.5.4)	-	-	Not relevant for liquids.	-	-	
Emulsifiability (KCP 2.8.6.1)	-	-	Not relevant – not an emulsifiable preparation.	-	-	
Emulsion stability (KCP 2.8.6.2)	-	-	Not relevant – not an emulsifiable preparation.	-	-	
Re-emulsifiability (KCP 2.8.6.3)	-	-	Not relevant – not an emulsifiable preparation.	-	-	
Flowability (KCP 2.8.7.1)	-	-	Not relevant – not a granular preparation.	-	-	
Pourability (KCP 2.8.7.2)	CIPAC MT 148	Deltamethrin 5% CS (Batch No. SCL-89521)	Residue (R) – 1.67 ± 0.04 % m/m Rinsed residue (R') – 0.16 ± 0.02 % m/m	Y	XXX V. S. M., 2018, report No. G13965	Accepted.
Dustability following accelerated storage (KCP 2.8.7.3)	-	-	Not relevant, only required for dustable powder.	-	-	
Physical compatibility of tank mixes (KCP 2.9.1)	-	-	Not relevant.	-	-	
Chemical compatibility of tank mixes	-	-	Not relevant.	-	-	

(KCP 2.9.2)						
Adhesion to seeds (KCP 2.10.1)	-	-	Not relevant, not used for seed treatment.	-	-	
Distribution to seed (KCP 2.10.2)	-	-	Not relevant, not used for seed treatment.	-	-	
Other/special studies (KCP 2.11)	PSD Efficacy Guideline 305	Deltamethrin 5% CS (Batch No. SCL-89521)	The effectiveness of cleaning by small scale Jar Test with Deltamethrin 5% CS was determined in Standard Water D. The % removed from the bottles was 99.72%.	Y	XXX V. S. M., 2018 report No. G13963	Accepted.

3 Section 3 is presented as a separate document

Please refer to the separate file “dRR Part B3”.

4 Section 4: Further information on the plant protection product

4.1 Packaging and Compatibility with the Preparation (KCP 4.4)

Table 4.1-1: Packaging information for 50 mL

Type	Description
Material:	COEX HDPE/EVOH; COEX HDPE/PA
Shape/size:	Round bottle / approx. 40 mm diameter x 91.5 mm
Opening:	20.0 mm inner diameter
Closure:	HDPE screw cap
Seal:	Induction heat seal
UN/ADR	compliant

Table 4.1-2: Packaging information for 100 mL

Type	Description
Material:	COEX HDPE/EVOH; COEX HDPE/PA
Shape/size:	Round bottle / approx. 57 mm diameter x 85.8 mm
Opening:	41.7 mm inner diameter
Closure:	HDPE screw cap
Seal:	Induction heat seal
UN/ADR	compliant

Table 4.1-3: Packaging information for 500 mL bottle

Type	Description
Material:	COEX HDPE/EVOH; COEX HDPE/PA
Shape/size:	Round bottle / approx. 69 mm diameter x 199.8 mm
Opening:	41.7 mm inner diameter
Closure:	HDPE screw cap
Seal:	Induction heat seal
UN/ADR	compliant

Table 4.1-4: Packaging information for 1 liter bottle

Type	Description
Material:	COEX HDPE/EVOH; COEX HDPE/PA
Shape/size:	Round bottle / approx. 88.5 mm diameter x 239.5 mm
Opening:	41.7 mm inner diameter
Closure:	HDPE screw cap
Seal:	Induction heat seal

Type	Description
UN/ADR	compliant

Table 4.1-5: Packaging information for 5 liter bottle

Type	Description
Material:	COEX HDPE/EVOH; COEX HDPE/PA
Shape/size:	jerrycan / approx. 136 mm x 192 mm x 285 mm
Opening:	54.7 mm inner diameter
Seal:	Induction heat seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-6: Packaging information for 10 liter bottle

Type	Description
Material:	COEX HDPE/EVOH; COEX HDPE/PA
Shape/size:	jerrycan / approx. 174 mm x 226 mm x 368 mm
Opening:	54.7 mm inner diameter
Closure:	HDPE screw cap
Seal:	Induction heat seal
UN/ADR	compliant

Appendix 1 Lists of data considered in support of the evaluation

Tables considered not relevant can be deleted as appropriate.

MS to blacken authors of vertebrate studies in the version made available to third parties/public.

List of data submitted by the applicant and relied on

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
KCP 2.1, KCP 2.4.1, KCP 2.7.1, KCP 2.7.4, KCP 2.8.2, KCP 2.8.3.1, KCP 2.8.3.2, KCP 2.8.5.1.2 and KCP 2.8.7.2	XXX V. S. M.	2018	Accelerated storage stability test by heating at elevated temperature of Deltamethrin 5% CS Eurofins, Study No. G13965 GLP, Unpublished	N	SHARDA Cropchem Limited
KCP 2.2.1	XXX V. S. M.	2018	Determination of explosive properties of deltamethrin 5% CS Eurofins report No. G13957 GLP, Unpublished	N	SHARDA Cropchem Limited
KCP 2.2.2	XXX V. S. M.	2018	Oxidizing properties of Deltamethrin 5% CS Eurofins report No G13958 GLP, Unpublished	N	SHARDA Cropchem Limited
KCP 2.3.1 and KCP 2.3.2	XXX V. S. M.	2018	Determination of flash point of Deltamethrin 5% CS Eurofins, report No. G13959 GLP, Unpublished	N	SHARDA Cropchem Limited
KCP 2.3.3	XXX V. S. M.	2018	Determination of auto ignition temperature of Deltamethrin 5% CS	N	SHARDA

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
			Eurofins, report No. G 13964 GLP, Unpublished		Cropchem Limited
KCP 2.5.1	XXX V. S. M.	2018	Determination of viscosity of Deltamethrin 5% CS Eurofins, report No. G13960 GLP, Unpublished	N	SHARDA Cropchem Limited
KCP 2.5.2	XXX V. S. M.	2018	Surface tension of aqueous solution of Deltamethrin 5% CS Eurofins, report No. G13961 GLP, Unpublished	N	SHARDA Cropchem Limited
KCP 2.6.1	XXX V. S. M.	2018	Determination of relative density of Deltamethrin 5% CS Eurofins, report No. G13962 GLP, Unpublished	N	SHARDA Cropchem Limited
KCP 2.11	XXX V. S. M.	2018	Determination of effectiveness of cleaning by small scale jar test with Deltamethrin 5% CS Eurofins, report No. G13963 GLP, Unpublished	N	SHARDA Cropchem Limited
KCP 2.8.5.1.1	XXX B.	2020	Determination of the particle size by laser diffraction method. ICB Pharma, report ICB/76/2020 GLP, Unpublished	N	SHARDA Cropchem Limited

List of data submitted or referred to by the applicant and relied on, but already evaluated at EU peer review

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
-	-	-	-	-	-

The following tables are to be completed by MS.

List of data submitted by the applicant and not relied on

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
-	-	-	-	-	-

List of data relied on and not submitted by the applicant but necessary for evaluation

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
-	-	-	-	-	-

Appendix 2 Additional data on the physical, chemical and technical properties of the active substance

A 2.1 Deltamethrin

Not relevant. There is no additional data on the active substance.