

# **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: **102000025743**

Product name(s): **Foramsulfuron + Thiencarbazone-methyl**  
(Active substance(s)) **OD 80 (50+30 g/L)**

**Southern / Central / Northern Zones**  
**Zonal Rapporteur Member State: France, Poland, Lithuania**

## **CORE ASSESSMENT**

**(Re-Authorisation)**

Applicant: **Bayer Crop Science Division**

Submission date: **31/08/2020**

MS Finalisation date: **08/2021; 12/2021**



M-686456-01-1

## Version history

When	What
31/08/2020	Original Bayer CropScience document (Regulation 1107/2009 - Art. 43) Foramsulfuron
August 2021	The renewal of the authorisation of the PPP (Art 43); zRMS evaluation

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**zRMS comment:** no new studies were submitted during the renewal of authorisation. Please refer to the core dossier. Commercial packaging remain unchanged (see point 4.1).

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:

## **1 Section 1: Identity of the plant protection product**

### **1.1 Applicant (KCP 1.1)**

This section of the draft registration report is a core document and as such will be submitted in all countries where the product will be registered. Since the legal name of the applicant may vary depending on the country this information is provided in the National document (Part A, point 1.1, Application background). The registration holder will be either Bayer or one of its' legal entities in the countries.

### **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:	Bayer S.A.S.
Address:	16, rue Jean-Marie Leclair CS 90106 69266 Lyon Cedex 09 France
Contact:	xxx
Telephone number:	xxxx
E-mail:	xxxxx

#### **Location of the production site**

CONFIDENTIAL information - data provided separately (Part C).

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

Trade name: Conviso One  
Company code number: specification 102000025743, material number 80979444  
FSN+TCM OD 50+30 g/L

#### 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)

The formulation FSN+TCM OD 80 was not the representative formulation for the EU re-approval of foramsulfuron

**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)	FAO Limits (min – max) (g/L)	Technical content* (g/L)	Technical content** (%w/w)
Foramsulfuron	50	45 -55	51.4	4.99
Thiencarbazone-methyl	30	27 -33	31.0	3.01

\* Based on the minimum purity of the active substance declared for registration in the active substance dossiers: 973 g/kg for foramsulfuron, 969 g/kg for thiencarbazone-methyl.

\*\* Based on the density of the formulation = 1.03 g/mL at 20°C

**Table 1.4-2: Safener and synergists**

Safener / synergist	Declared content of the safener / synergist (g/L)	FAO Limits (min – max) (g/L)	Technical content* (g/L)	Technical content** (%w/w)
not relevant	-	-		

There is no safener or synergist in the product.

**Table 1.4-3: Relevant impurities**

Relevant impurity	Maximum content (g/L or g/kg)
none	

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

**Table 1.4-4: Information on active substances**

Type	Name/Code Number	Variant
ISO common name	foramsulfuron	not relevant
CAS No.	173159-57-4	
CIPAC No.	659	
EC No.	not allocated	
EU Index No.	not allocated	
Salt, ester anion or cation present	none	

Type	Name/Code Number	Variant
ISO common name	thiencarbazone (published)	thiencarbazone-methyl (published) variant
CAS No.	936331-72-5	317815-83-1
CIPAC No.	797	797.201
EC No.	not allocated	not allocated
EU Index No.	not allocated	not allocated
Salt, ester anion or cation present	methyl ester	-

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

**Table 1.4-5: Information on safeners/ synergists / co-formulant**

Type	Name/Code Number	
Safener /synergist	not relevant	
ISO common name	-	
CAS No.	-	
EC No.	-	

Co-formulants:

CONFIDENTIAL information is provided separately (Part C).

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

Type: Oil Dispersion

[Code: OD]

#### 1.6 Function (KCP 1.6)

Herbicide



## 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 a liquid suspension beige with a paint like odour. It is not explosive, has no oxidising properties. The product is not flammable/has a flash point of 83.5°C. It has a self-ignition temperature of 420 °C. In aqueous solution (1%), it has a pH value around 4.04. 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 and 8 weeks at 40°C, neither the active ingredient content nor the technical properties were changed. The stability data indicate a shelf life of at least 2 years at ambient temperature when stored in HDPE/EVOH & HDPE/PA. Its technical characteristics are acceptable for an OD type formulation.

The intended concentration of use is 0.16% to 1.25%.

No tank mixture is recommended.

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

Reference:	<b>KCP Section 12/01</b>
Title:	FSN+TCM OD 50+30 G
Report:	Anon.; 2019; M-511911-03-1
Authority registration No:	
Guideline(s):	--
Deviations:	--
GLP:	no
Acceptability:	
Duplication (if vertebrate study):	

Reference:	<b>KCP Section 12/02</b>
Title:	Foramsulfuron technical
Report:	Anon.; 2019; M-470109-02-2
Authority registration No:	
Guideline(s):	--
Deviations:	--
GLP/GEP:	no
Acceptability:	
Duplication (if vertebrate study):	

Reference:	<b>KCP Section 12/03</b>
Title:	Thiencarbazone-methyl TC F
Report:	Anon.; 2019; M-572770-03-1
Authority registration No:	
Guideline(s):	--
Deviations:	--
GLP/GEP:	no
Acceptability:	
Duplication (if vertebrate study):	

### **Notifier Proposals for Risk and Safety Phrases (KCP 12)**

Aspiration hazard: Category 1

H304 May be fatal if swallowed and enters airways

Skin irritation: Category 2

H315 Caused skin irritation

Skin sensitisation: Category 1

H317 May cause an allergic reaction

Serious eye damage: Category 1

H318 Causes serious eye damage

Acute toxicity: Category 4

H332 Harmful if inhaled

Acute aquatic toxicity: Category 1

H400 Very toxic to aquatic life

Chronic aquatic toxicity: Category 1

H410 Very toxic to aquatic life with long lasting effects

### **Compliance with FAO specifications:**

The product FSN+TCM OD 80 complies with FAO specifications for an OD.

### **Formulation used for tests**

The following batch has been used in the physico-chemical studies:

1. specification 102000025743-01, batch number 2012-005269  
4.97 % w/w (51.05 g/L) foramsulfuron, 2.97 % w/w (30.49 g/L) thiencarbazone-methyl

Composition is described in Part C.

Abbreviations used:

FSN = foramsulfuron

TCM = thiencarbazone-methyl

**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)	USEPA OPPTS 830.6302 830.6303 830.6304  Visual Olfactory	102000025743-01, batch 2012-005269	Physical state: suspension, liquid Colour: beige Odour: paint like	N	Rexer K., 2013 M-461419-01-1	Final evaluation from ZRMS (France) Nov.16:Acceptable  Final evaluation from ZRMS (Lithuania) Dec.15:Acceptable
Explosive properties (KCP 2.2.1)	EC A14	102000025743-01, batch 2012-005269	Not explosive in the sense of EC guidelines A14.  It can be concluded from the negative result according to A14 that the formulation should not be classified as explosive solid according to CLP.	Y	Keldenish H.P., 2013 M-458775-01-1	Final evaluation from ZRMS (France) Nov.16:Acceptable- The preparation has not explosive properties  Final evaluation from ZRMS (Lithuania) Dec.15:Acceptable
Oxidizing properties (KCP 2.2.2)	EC A21	102000025743-01, batch 2012-005269	No oxidising properties under the conditions of the test.  It can be concluded from the negative result according to A21 that the formulation should not be classified as oxidising solid according to CLP.	Y	Keldenish H.P., 2013 M-458775-01-1	Final evaluation from ZRMS (France) Nov.16:Acceptable- The preparation has not oxidizing properties  Final evaluation from ZRMS (Lithuania) Dec.15:Acceptable

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
Flash point (KCP 2.3.1)	EC A9	102000025743-01, batch 2012-005269	Flash point: 83.5 °C.  It can be concluded from the result according to A9 that the formulation should not be classified as flammable liquid according to CLP (flash point above 60°C).	Y	Keldenish H.P., 2013 M-458775-01-1	Final evaluation from ZRMS (France) Nov.16:Acceptable  Final evaluation from ZRMS (Lithuania) Dec.15:Acceptable
Flammability (KCP 2.3.2)	EEC A.10		Not applicable as the preparation is an oil dispersion			
Self-heating (KCP 2.3.3)	EC A15	102000025743-01, batch 2012-005269	Auto ignition temperature: 420 °C  It can be concluded from the negative result according to A15 that the formulation should not be classified as auto-flammable liquid according to CLP.	Y	Keldenish H.P., 2013 M-458775-01-1	Final evaluation from ZRMS (France) Nov.16:Acceptable- The preparation is not flammable at ambient temperature  Final evaluation from ZRMS (Lithuania) Dec.15:Acceptable
Acidity or alkalinity and pH (KCP 2.4.1)	CIPAC MT191 CIPAC MT75.3		Acidity/alkalinity not required as the preparation is neither strongly acidic (pH < 4) nor strongly alkaline (pH > 10).			

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
pH of a 1% aqueous dilution, emulsion or dispersion (KCP 2.4.2)	CIPAC MT75.3 (electrometric determination)	102000025743-01, batch 2012-005269	pH = 4.04 1% dilution in deionised water, at ambient temperature	Y	Rexer K., 2013 M-461419-01-1	Final evaluation from ZRMS (Lithuania) Dec.15: Acceptable. The temperature is not specified  Final evaluation from ZRMS (Lithuania) Dec.15:Acceptable
Kinematic viscosity (KCP 2.5.1)	OECD 114 CIPAC MT 192	102000025743-01, batch 2012-005269	Calculation of the kinematic viscosity at 40 °C from the dynamic viscosity values and the density.  $\nu = 22 \text{ mm}^2/\text{s}$ at 20 1/s $\nu = 20 \text{ mm}^2/\text{s}$ at 100 1/s	Y	Rexer K., 2013 M-461419-01-1	Final evaluation from ZRMS (France) Nov.16:Acceptable- The preparation is classified H304 cat.1.  Final evaluation from ZRMS (Lithuania) Dec.15:Acceptable The kinematic viscosity at 40°C is $\leq 20.5 \text{ mm}^2/\text{s}$ . (classification under CLP Reg. 1272/2008)

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
Dynamic viscosity (KCP 2.5.2)	OECD 114 CIPAC MT 192	102000025743-01, batch 2012-005269	Rotating viscometer:  42 mPa × s at 20 °C, at 20 1/s 39 mPa × s at 20 °C, at 100 1/s  23 mPa × s at 40 °C, at 20 1/s 20 mPa × s at 40 °C, at 100 1/s	Y	Rexer K., 2013 M-461419-01-1	Final evaluation from ZRMS (France) Nov.16: Acceptable  Final evaluation from ZRMS (Lithuania) Dec.15:Acceptable The kinematic viscosity at 40°C is ≤20.5 mm <sup>2</sup> /s. (classification under CLP Reg. 1272/2008)
Surface tension (KCP 2.5.2)	OECD115 EC A5	102000025743-01, batch 2012-005269	$\sigma$ = 29 mN/m at 25 °C (undiluted) $\sigma$ = 35 mN/m at 20 °C (1 g/L)	Y	Rexer K., 2013 M-461419-01-1	Final evaluation from ZRMS (France) Nov.16: Acceptable The preparation is active substance  Final evaluation from ZRMS (Lithuania) Dec.15:Acceptable Surface active formulation
Relative density (KCP 2.6.1)	OECD 109 EC A3 OPPTS 830.7300	102000025743-01, batch 2012-005269	D <sub>4</sub> <sup>20</sup> = 1.028 at 20 °C D <sub>4</sub> <sup>40</sup> = 1.013 at 40 °C	Y	Rexer K., 2013 M-461419-01-1	Final evaluation from ZRMS (France) Nov.16: Acceptable  Final evaluation from ZRMS (Lithuania) Dec.15:Acceptable

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
Bulk density (KCP 2.6.2)	CIPAC MT186		Not applicable as the preparation is an oil dispersion			
Storage Stability after 14 days at 54° C (KCP 2.7.1)	CIPAC MT46.3	102000025743-01, batch 2012-005269	<p>Stable throughout the test period of 14 days at 54 °C, except degradation of FSN and TCM (tested parameters: AS content, appearance, pH, persistent foaming, wet sieving, dispersion stability, pourability). Degradation products are identified and quantified.</p> <p>Packaging material: HDPE/PA, HDPE/EVOH.</p> <p>See detailed results in the following tables.</p>	N	<p>Rexer K., 2013 M-464718-03-1</p> <p>Rexer K., 2013 M-464720-03-1</p>	<p>Final evaluation from ZRMS (France) Nov.16: Acceptable The preparation is stable 14 days at 54°C, in HDPE/PA and in HDPE/EVOH.</p> <p>Final evaluation from ZRMS (Lithuania) Dec.15:Acceptable</p>
Stability after storage for other periods and/or temperatures (KCP 2.7.2)	CIPAC MT46.3	102000025743-01, batch 2012-005269	<p>Stable throughout the test period of 8 weeks at 40 °C (tested parameters: AS content, appearance, pH, persistent foaming, wet sieving, dispersion stability, pourability).</p> <p>Packaging material: HDPE/PA, HDPE/EVOH</p> <p>See detailed results in the following tables.</p>	N	<p>Rexer K., 2013 M-464718-03-1</p> <p>Rexer K., 2013 M-464720-03-1</p>	<p>Final evaluation from ZRMS (France) Nov.16: Acceptable The preparation is stable 8 weeks at 40°C, in HDPE/PA and in HDPE/EVOH.</p> <p>Final evaluation from ZRMS (Lithuania) Dec.15:no comment</p>

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
Minimum content after heat stability testing (KCP 2.7.3)	CIPAC MT46.3 Analytical method: AM015709FF1	102000025743-01, batch 2012-005269	Studies have been performed in HDPE/EVOH and HDPE/PA packaging. The results presented below are for the HDPA/EVOH packaging, similar results were observed in HDPE/PA packaging.	N	Rexer K., 2013 M-464718-03-1  Rexer K., 2013 M-464720-03-1	Final evaluation from ZRMS (France) Nov.16: Acceptable
						The preparation is stable 14 days at 54°C and 8 weeks at 40°C, in HDPE/PA and in HDPE/EVOH.
						Final evaluation from ZRMS (Lithuania) Dec.15:
						The results in HDPE/PA 1L bottles after storage of 14 days at 54°C.
						FSN: 6.7% decrease
						Degradation products AE F092844 AE F130619 AE F153875
						TCM: 6.6% decrease
						Degradation product: AE F1364547



Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments																								
Effect of low temperatures on stability (KCP 2.7.4)	CIPAC MT39 Analytical method: AM015709FF1	102000025743-01, batch 2012-005269	Stable throughout the test period of 7 days at 0 °C (suspensibility, wet sieving, dispersion stability tested).  See detailed results in the following tables.	N	Rexer K., 2013 M-464720-03-1	Final evaluation from ZRMS (France) Nov.16: Acceptable  The preparation is stable 7 days at 0°C.  Final evaluation from ZRMS (Lithuania) Dec.15: Acceptable																								
Ambient temperature shelf life (KCP 2.7.5)	CropLife Monograph No. 17	102000025743-01, batch 2012-005269	Stable throughout the test period of 2 years at ambient temperature (tested parameters: AS content, appearance, pH, persistent foaming, wet sieving, dispersion stability, pourability).  Packaging material: HDPE/PA, HDPE/EVOH  Packaging material: COEX/ PA.  <table><tr><td></td><td><u>FSN</u></td><td><u>TCM</u></td></tr><tr><td>Initial:</td><td>51.1 g/L</td><td>30.5 g/L</td></tr><tr><td>2 years ambient:</td><td>49.2 g/L</td><td>30.2 g/L</td></tr><tr><td>Degr. rate:</td><td>3.7%</td><td>1%</td></tr></table>  Packaging material: COEX/ EVOH.  <table><tr><td></td><td><u>FSN</u></td><td><u>TCM</u></td></tr><tr><td>Initial:</td><td>51.1 g/L</td><td>30.5 g/L</td></tr><tr><td>2 years ambient:</td><td>49.6 g/L</td><td>30.4 g/L</td></tr><tr><td>Degr. rate:</td><td>2.9%</td><td>&lt;1%</td></tr></table>  See detailed results in the following tables.		<u>FSN</u>	<u>TCM</u>	Initial:	51.1 g/L	30.5 g/L	2 years ambient:	49.2 g/L	30.2 g/L	Degr. rate:	3.7%	1%		<u>FSN</u>	<u>TCM</u>	Initial:	51.1 g/L	30.5 g/L	2 years ambient:	49.6 g/L	30.4 g/L	Degr. rate:	2.9%	<1%	N	Rexer K., 2015 M-525611-01-1  Rexer K., 2015 M-525601-02-1	Final evaluation from ZRMS (France) Nov.16: The final report of the ambient temperature shelf life is required in post-registration  Final evaluation from ZRMS (Lithuania) Dec.15:Acceptable The results of the study reports show acceptability small changes in content of active substances and the properties of OD formulation when stored in COEX/PA and COEX/EVOH 1L bottles
	<u>FSN</u>	<u>TCM</u>																												
Initial:	51.1 g/L	30.5 g/L																												
2 years ambient:	49.2 g/L	30.2 g/L																												
Degr. rate:	3.7%	1%																												
	<u>FSN</u>	<u>TCM</u>																												
Initial:	51.1 g/L	30.5 g/L																												
2 years ambient:	49.6 g/L	30.4 g/L																												
Degr. rate:	2.9%	<1%																												

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
Shelf life in months (if less than 2 years) (KCP 2.7.6)			Not required as shelf life at ambient temperature is expected to be stable at least 24 months.			
Wettability (KCP 2.8.1)	CIPAC MT53.3.1		Not applicable as the formulation is an oil dispersion.			
Persistence of foaming (KCP 2.8.2)	CIPAC MT47.2	102000025743-01, batch 2012-005269	After 1 min. in CIPAC D water. Dose: 1.3% 13 mL  After 1 min. in CIPAC D water. Dose: 1% 13 mL	N	Rexer K., 2013 M-461419-01-1  Rexer K., 2013 M-464718-03-1  Rexer K., 2013 M-464720-03-1	Final evaluation from ZRMS (France) Nov.16: Acceptable The preparation has not foaming properties.  Final evaluation from ZRMS (Lithuania) Dec.15:Acceptable The concentration tested is compatible to the highest recommended use rate of the product appr. 1,27% w/w .
Suspensibility (KCP 2.8.3.1)	CIPAC MT184 Analytical method: AM015709FF1	102000025743-01, batch 2012-005269	In CIPAC D water.  Dose: 0.2% FSN 100 % TCM 100 %  Dose: 1% FSN 98 % TCM 98 %  Dose: 1.3% FSN 100 % TCM 99 %	N	Rexer K., 2013 M-461419-01-1  Rexer K., 2013 M-464718-03-1  Rexer K., 2013 M-464720-03-1	Final evaluation from ZRMS (France) Nov.16: Acceptable  Final evaluation from ZRMS (Lithuania) Dec.15:Acceptable

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
Spontaneity of dispersion (KCP 2.8.3.2)	CIPAC MT 160		Not applicable to OD formulations			
Dispersion stability (KCP 2.8.3.3)	CIPAC MT 180	102000025743-01, batch 2012-005269	<p>The stability of dispersion was assessed in CIPAC water D and A, and at two concentrations (see below).</p> <p>In CIPAC D water, dose: 0.2 %  In CIPAC D water, dose: 1.3 %  In CIPAC A water, dose: 0.2 %  In CIPAC A water, dose: 1.3 %</p> <p>The results were identical for all tests as shown below:</p> <p>Dispersion after:  0 min: complete  30 min: no sediment, no oil, no cream</p> <p>Re-dispersibility after:  24 h: complete  24.5 h: no sediment, no oil, no cream</p>	N	<p>Rexer K., 2013  M-461419-01-1</p> <p>Rexer K., 2013  M-464718-03-1</p> <p>Rexer K., 2013  M-464720-03-1</p>	<p>Final evaluation from ZRMS (France) Nov.16: Acceptable</p> <p>Final evaluation from ZRMS (Lithuania) Dec.15:Acceptable  The highest concentration tested is in line with the highest recommended use rate of the product – appr.1.27% w/w.  The lowest recommended use rate is appr. 0.08% w/w (DK) and appr. 0.05% w/w.</p>
Dilution stability (KCP 2.8.4)	CIPAC MT41		No study provided since this is only required for water soluble formulations			
Particle size distribution (KCP 2.8.5.1.1)	CIPAC MT187	102000025743-01, batch 2012-005269	<p>Laser diffraction using Malvern Spray tec.</p> <p>d(0.1) = 0.50 µm  d (0.5) = 1.61 µm  d (0.9) = 6.06 µm</p>	Y	Rexer K., 2013 M-461419-01-1	<p>Final evaluation from ZRMS (France) Nov.16: Acceptable</p> <p>Final evaluation from ZRMS (Lithuania) Dec.15:Acceptable</p>

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
Nominal size range of granules (KCP 2.8.5.1.2)	CIPAC MT170 (WG) CIPAC MT59.2 (GR)		Not applicable to OD formulations			
Wet sieve test (KCP 2.8.5.1.3)	CIPAC MT185	102000025743-01, batch 2012-005269	0.007 % residue on a 75 µm sieve.	N	Rexer K., 2013 M-461419-01-1	Final evaluation from ZRMS (France) Nov.16: Acceptable  Final evaluation from ZRMS (Lithuania) Dec.15:Acceptable
Dust content (KCP 2.8.5.2.1)	CIPAC MT171		Not applicable as the preparation is an oil dispersion			
Particle size of dust (KCP 2.8.5.2.2)			Not applicable as the preparation is an oil dispersion			
Attrition (KCP 2.8.5.3)	CIPAC MT178 (GR) CIPAC MT178.2 (WG)		Not applicable as the preparation is an oil dispersion			
Hardness and integrity (KCP 2.8.5.4)			Not applicable as the preparation is an oil dispersion			
Emulsifiability (KCP 2.8.6.1)	CIPAC MT36.3		Not applicable as the preparation is an oil dispersion			
Emulsion stability (KCP 2.8.6.2)	CIPAC MT36.3		Not applicable as the preparation is an oil dispersion			
Re-emulsifiability (KCP 2.8.6.3)	CIPAC MT36.3		Not applicable as the preparation is an oil dispersion			

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
Flowability (KCP 2.8.7.1)			Not applicable as the preparation is an oil dispersion			
Pourability (KCP 2.8.7.2)	CIPAC MT148	102000025743-01, batch 2012-005269	Residue: 0.69 % Rinsed residue: 0.11 %	N	Rexer K., 2013 M-461419-01-1	Final evaluation from ZRMS (France) Nov.16: Acceptable  Final evaluation from ZRMS (Lithuania) Dec.15:Acceptable (below max. limits of 5% and 0.25%)
Dustability following accelerated storage (KCP 2.8.7.3)	CIPAC MT34		Not applicable to OD formulations			
Physical compatibility of tank mixes (KCP 2.9.1)			Where relevant please refer to local recommendations.			
Chemical compatibility of tank mixes (KCP 2.9.2)			Where relevant, please refer to local recommendations.			
Adhesion to seeds (KCP 2.10.1)			Only applicable for seed treatment.			
Distribution to seed (KCP 2.10.2)			Only applicable for seed treatment.			
Other/special studies (KCP 2.11)			There are no other special studies for this formulation.			

**Results referring to the points KCP 2.7.1 and KCP 2.7.2: Storage stability after 14 days at 54 °C and after 8 weeks at 40 °C in COEX/EVOH bottles**

**Report no. M-464720-03-1**

Test	Initial	14 days at 54 °C	8 weeks at 40 °C
<b>Content of active</b> method AM017812MF1			
foramsulfuron	51.1 g/L	48.0 g/L	49.0 g/L
<b>Content of degradation product</b> method AM017812MF1			
AE F092944	0.0175%	0.0799%	0.0552%
AE F130619	0.0262%	0.0140%	0.0228%
AE F153745	0.0454%	0.1240%	0.0881%
<b>Content of active</b> method AM017812MF1			
thien carbazole-methyl	30.5 g/L	28.7 g/L	29.8 g/L
<b>Content of degradation product</b> method AM017812MF1			
AE 1364547	0.0047%	0.0391%	0.0164%
<b>Content of water</b> CIPAC MT 30.5	0.22%	0.21%	0.22%
<b>Stability of packaging material</b> OCSPP 830.6320	Not applicable	No deterioration of the packaging material and no adverse interaction with the formulation were observed.	No deterioration of the packaging material and no adverse interaction with the formulation were observed.
Change in weight	Not applicable	- 0.002%	- 0.000%
Deformation	None	No ballooning, no panel-ling.	No ballooning, no panelling.
Leakage	None	No leaking	No leaking
Effect on closure	None	Leak proof	Leak proof
Packaging / preparation interaction	Not applicable	No claying, no sedimenta-tion.	No claying, no sedimentation
<b>Colour</b> OCSPP 930..6302	Beige	Beige	Beige
<b>Odour</b> OCSPP 930..6304	Paint like odour	Paint like odour	Paint like odour
<b>Physical state</b> OCSPP 930.6303	Suspension (liquid)	Suspension (liquid)	Suspension (liquid)
<b>Acidity / alkalinity</b> CIPAC MT 191	The determination was not required as the pH-value was between 4.0 and 10.0.		
<b>pH-value</b> CIPAC MT 75.3 OCSPP 830.7000	1% in deionised water		
	4.04	4.19	4.11

Test	Initial	14 days at 54 °C	8 weeks at 40 °C
<b>Persistence of foam</b> CIPAC MT 47.3	1.0% w/w (1000 mL/ha in 80 L/ha) in CIPAC standard water D		
	19 mL foam after 10 s 13 mL foam after 1 min 12 mL foam after 3 min 10 mL foam after 12 min	20 mL foam after 10 s 19 mL foam after 1 min 12 mL foam after 3 min 10 mL foam after 12 min	21 mL foam after 10 s 11 mL foam after 1 min 11 mL foam after 3 min 11 mL foam after 12 min
<b>Persistence of foam</b> CIPAC MT 47.3	1.3% w/w (1000 mL/ha in 80 L/ha) in CIPAC standard water D		
	19 mL foam after 10 s 13 mL foam after 1 min 13 mL foam after 3 min 13 mL foam after 12 min	18 mL foam after 10 s 14 mL foam after 1 min 14 mL foam after 3 min 14 mL foam after 12 min	20 mL foam after 10 s 16 mL foam after 1 min 14 mL foam after 3 min 13 mL foam after 12 min
<b>Suspensibility</b> CIPAC MT 184	0.2% w/w (500 mL/ha in 300 L/ha) in CIPAC Standard Water D		
foramsulfuron	100%	100%	100%
thiencarbazone-methyl	100%	100%	100%
<b>Suspensibility</b> CIPAC MT 184	1.0% w/w (1000 mL/ha in 100 L/ha) in CIPAC Standard Water D		
foramsulfuron	98%	99%	100%
thiencarbazone-methyl	98%	98%	99%
<b>Suspensibility</b> CIPAC MT 184	1.3% w/w (1000 mL/ha in 80 L/ha) in CIPAC Standard Water D		
foramsulfuron	100%	99%	100%
thiencarbazone-methyl	99%	98%	99%
<b>Wet sieve test</b> CIPAC MT 185	0.007% residue on 75 µm	0.000% residue on 75 µm	0.010% residue on 75 µm
<b>Particle size distribution</b> CIPAC MT187	d (0.1) 0.50 µm d (0.5) 1.61 µm d (0.9) 6.06 µm	d (0.1) 0.54 µm d (0.5) 1.67 µm d (0.9) 6.50 µm	d (0.1) 0.73 µm d (0.5) 1.77 µm d (0.9) 7.04 µm
<b>Dispersion stability</b> CIPAC MT 180	0.2% w/w (500 mL/ha in 300 L/ha) in CIPAC Standard Water A		
Initial dispersibility	Completely	Completely	Completely
Separation after 30 min	None	None	None
Re-dispersibility after 24 h	Completely	Completely	Completely
Separation after further 30 min	None	None	None

Test	Initial	14 days at 54 °C	8 weeks at 40 °C
<b>Dispersion stability</b> CIPAC MT 180	0.2% w/w (500 mL/ha in 300 L/ha) in CIPAC Standard Water D		
Initial dispersibility	Completely	Completely	Completely
Separation after 30 min	None	None	None
Re-dispersibility after 24 h	Completely	Completely	Completely
Separation after further 30 min	None	None	None
<b>Dispersion stability</b> CIPAC MT 180	1.0% w/w (1000 mL/ha in 100 L/ha) in CIPAC Standard Water A		
Initial dispersibility	Completely	Completely	Completely
Separation after 30 min	None	None	None
Re-dispersibility after 24 h	Completely	Completely	Completely
Separation after further 30 min	None	None	None
<b>Dispersion stability</b> CIPAC MT 180	1.0% w/w (1000 mL/ha in 100 L/ha) in CIPAC Standard Water D		
Initial dispersibility	Completely	Completely	Completely
Separation after 30 min	None	None	None
Re-dispersibility after 24 h	Completely	Completely	Completely
Separation after further 30 min	None	None	None
<b>Dispersion stability</b> CIPAC MT 180	1.3% w/w (1000 mL/ha in 80 L/ha) in CIPAC Standard Water A		
Initial dispersibility	Completely	Completely	Completely
Separation after 30 min	None	None	None
Re-dispersibility after 24 h	Completely	Completely	Completely
Separation after further 30 min	None	None	None



Test	Initial	14 days at 54 °C	8 weeks at 40 °C
<b>Dispersion stability</b> CIPAC MT 180	1.3% w/w (1000 mL/ha in 80 L/ha) in CIPAC Standard Water D		
Initial dispersibility	Completely	Completely	Completely
Separation after 30 min	None	None	None
Re-dispersibility after 24 h	Completely	Completely	Completely
Separation after further 30 min	None	None	None
<b>Pourability</b> CIPAC MT 148	Residue: 0.69% Rinsed residue: 0.11%	Residue: 1.26% Rinsed residue: 0.10%	Residue: 1.29% Rinsed residue: 0.08%

**Results referring to the points KCP 2.7.1 and KCP 2.7.2: Storage stability after 14 days at 54 °C and after 8 weeks at 40 °C in COEX/PA bottles**  
**Report no. M-464718-03-1**

Test	Initial	14 days at 54 °C	8 weeks at 40 °C
<b>Content of active</b> method AM017812MF1			
foramsulfuron	51.1 g/L	47.7 g/L	48.8 g/L
<b>Content of degradation product</b> method AM017812MF1			
AE F092944	0.0175%	0.0799%	0.0552%
AE F130619	0.0262%	0.0140%	0.0228%
AE F153745	0.0454%	0.1240%	0.0881%
<b>Content of active</b> method AM017812MF1			
thien carbazone-methyl	30.5 g/L	28.5 g/L	29.7 g/L
<b>Content of degradation product</b> method AM017812MF1			
AE 1364547	0.0047%	0.0391%	0.0164%
<b>Content of water</b> CIPAC MT 30.5	0.22%	0.22%	0.22%
<b>Stability of packaging material</b> OCSPP 830.6320	Not applicable	No deterioration of the packaging material and no adverse interaction with the formulation were observed.	No deterioration of the packaging material and no adverse interaction with the formulation were observed.
Change in weight	Not applicable	- 0.007%	- 0.006%
Deformation	None	No ballooning, no panelling.	No ballooning, no panelling.
Leakage	None	No leaking	No leaking
Effect on closure	None	Leak proof	Leak proof
Packaging / preparation interaction	Not applicable	No claying, no sedimentation.	No claying, no sedimentation
<b>Colour</b> OCSPP 930..6302	Beige	Beige	Beige
<b>Odour</b> OCSPP 930..6304	Paint like odour	Paint like odour	Paint like odour
<b>Physical state</b> OCSPP 930.6303	Suspension (liquid)	Suspension (liquid)	Suspension (liquid)
<b>Acidity / alkalinity</b> CIPAC MT 191	The determination was not required as the pH-value was between 4.0 and 10.0.		
<b>pH-value</b> CIPAC MT 75.3 OCSPP 830.7000	1% in deionised water		
	4.04	4.08	4.10
<b>Persistence of foam</b> CIPAC MT 47.3	1.0% w/w (1000 mL/ha in 80 L/ha) in CIPAC standard water D		
	19 mL foam after 10 s	20 mL foam after 10 s	21 mL foam after 10 s
	13 mL foam after 1 min	19 mL foam after 1 min	11 mL foam after 1 min
	12 mL foam after 3 min	12 mL foam after 3 min	11 mL foam after 3 min
	10 mL foam after 12 min	10 mL foam after 12 min	11 mL foam after 12 min

Test	Initial	14 days at 54 °C	8 weeks at 40 °C
<b>Persistence of foam</b> CIPAC MT 47.3	1.3% w/w (1000 mL/ha in 80 L/ha) in CIPAC standard water D		
	19 mL foam after 10 s 13 mL foam after 1 min 13 mL foam after 3 min 13 mL foam after 12 min	18 mL foam after 10 s 14 mL foam after 1 min 14 mL foam after 3 min 14 mL foam after 12 min	20 mL foam after 10 s 16 mL foam after 1 min 14 mL foam after 3 min 13 mL foam after 12 min
<b>Suspensibility</b> CIPAC MT 184	0.2% w/w (500 mL/ha in 300 L/ha) in CIPAC Standard Water D		
foramsulfuron	100%	100%	100%
thiencarbazone-methyl	100%	100%	100%
<b>Suspensibility</b> CIPAC MT 184	1.0% w/w (1000 mL/ha in 100 L/ha) in CIPAC Standard Water D		
foramsulfuron	98%	99%	100%
thiencarbazone-methyl	98%	98%	99%
<b>Suspensibility</b> CIPAC MT 184	1.3% w/w (1000 mL/ha in 80 L/ha) in CIPAC Standard Water D		
foramsulfuron	100%	99%	100%
thiencarbazone-methyl	99%	98%	99%
<b>Wet sieve test</b> CIPAC MT 185	0.007% residue on 75 µm	0.000% residue on 75 µm	0.010% residue on 75 µm
<b>Particle size distribution</b> CIPAC MT187	d (0.1) 0.50 µm d (0.5) 1.61 µm d (0.9) 6.06 µm	d (0.1) 0.54 µm d (0.5) 1.67 µm d (0.9) 6.50 µm	d (0.1) 0.73 µm d (0.5) 1.77 µm d (0.9) 7.04 µm
<b>Dispersion stability</b> CIPAC MT 180	0.2% w/w (500 mL/ha in 300 L/ha) in CIPAC Standard Water A		
Initial dispersibility	Completely	Completely	Completely
Separation after 30 min	None	None	None
Re-dispersibility after 24 h	Completely	Completely	Completely
Separation after further 30 min	None	None	None
<b>Dispersion stability</b> CIPAC MT 180	0.2% w/w (500 mL/ha in 300 L/ha) in CIPAC Standard Water D		
Initial dispersibility	Completely	Completely	Completely
Separation after 30 min	None	None	None
Re-dispersibility after 24 h	Completely	Completely	Completely
Separation after further 30 min	None	None	None

Test	Initial	14 days at 54 °C	8 weeks at 40 °C
<b>Dispersion stability</b> CIPAC MT 180	1.0% w/w (1000 mL/ha in 100 L/ha) in CIPAC Standard Water A		
Initial dispersibility	Completely	Completely	Completely
Separation after 30 min	None	None	None
Re-dispersibility after 24 h	Completely	Completely	Completely
Separation after further 30 min	None	None	None
<b>Dispersion stability</b> CIPAC MT 180	1.0% w/w (1000 mL/ha in 100 L/ha) in CIPAC Standard Water D		
Initial dispersibility	Completely	Completely	Completely
Separation after 30 min	None	None	None
Re-dispersibility after 24 h	Completely	Completely	Completely
Separation after further 30 min	None	None	None
<b>Dispersion stability</b> CIPAC MT 180	1.3% w/w (1000 mL/ha in 80 L/ha) in CIPAC Standard Water A		
Initial dispersibility	Completely	Completely	Completely
Separation after 30 min	None	None	None
Re-dispersibility after 24 h	Completely	Completely	Completely
Separation after further 30 min	None	None	None
<b>Dispersion stability</b> CIPAC MT 180	1.3% w/w (1000 mL/ha in 80 L/ha) in CIPAC Standard Water D		
Initial dispersibility	Completely	Completely	Completely
Separation after 30 min	None	None	None
Re-dispersibility after 24 h	Completely	Completely	Completely
Separation after further 30 min	None	None	None
<b>Pourability</b> CIPAC MT 148	Residue: 0.69% Rinsed residue: 0.11%	Residue: 1.26% Rinsed residue: 0.10%	Residue: 1.29% Rinsed residue: 0.08%

**Results referring to the point KCP 2.7.4: cold storage stability 7 days at 0 °C**

**Report no. M-464720-03-1**

Test / Method	Initial	After 7 Days at 0 °C
<b>Separation</b> Visual inspection	No visible separation	No visible separation
Test / Method	Initial	After 7 Days at 0 °C and complete homogenisation
<b>Suspensibility</b> CIPAC MT 164	0.2% w/w (500 mL/ha in 300 L/ha) in CIPAC Standard Water D	
foramsulfuron	100%	100%
thiencarbazone-methyl	100%	100%
<b>Suspensibility</b> CIPAC MT 164	1.0% w/w (1000 mL/ha in 100 L/ha) in CIPAC Standard Water D	
foramsulfuron	98%	98%
thiencarbazone-methyl	98%	98%
<b>Suspensibility</b> CIPAC MT 164	1.3% w/w (1000 mL/ha in 80 L/ha) in CIPAC Standard Water D	
foramsulfuron	100%	100%
thiencarbazone-methyl	99%	99%
<b>Wet sieve test</b> CIPAC MT 165	0.007% residue on 75 µm	0.002% residue on 75 µm
<b>Dispersion stability</b> CIPAC MT 180	0.2% w/w (500 mL/ha in 300 L/ha) in CIPAC Standard Water A	
Initial dispersibility	Completely	Completely
Separation after 30 min	None	None
Re-dispersibility after 24 h	Completely	Completely
Separation after further 30 min	None	None
<b>Dispersion stability</b> CIPAC MT 180	0.2% w/w (500 mL/ha in 300 L/ha) in CIPAC Standard Water D	
Initial dispersibility	Completely	Completely
Separation after 30 min	None	None
Re-dispersibility after 24 h	Completely	Completely
Separation after further 30 min	None	None
<b>Dispersion stability</b> CIPAC MT 180	1.0% w/w (1000 mL/ha in 100 L/ha) in CIPAC Standard Water A	
Initial dispersibility	Completely	Completely
Separation after 30 min	None	None
Re-dispersibility after 24 h	Completely	Completely
Separation after further 30 min	None	None
<b>Dispersion stability</b> CIPAC MT 180	1.0% w/w (1000 mL/ha in 100 L/ha) in CIPAC Standard Water D	
Initial dispersibility	Completely	Completely
Separation after 30 min	None	None
Re-dispersibility after 24 h	Completely	Completely
Separation after further 30 min	None	None

Test / Method	Initial	After 7 Days at 0 °C
<b>Dispersion stability</b> CIPAC MT 180	1.3% w/w (1000 mL/ha in 80 L/ha) in CIPAC Standard Water A	
Initial dispersibility	Completely	Completely
Separation after 30 min	None	None
Re-dispersibility after 24 h	Completely	Completely
Separation after further 30 min	None	None
<b>Dispersion stability</b> CIPAC MT 180	1.3% w/w (1000 mL/ha in 80 L/ha) in CIPAC Standard Water D	
Initial dispersibility	Completely	Completely
Separation after 30 min	None	None
Re-dispersibility after 24 h	Completely	Completely
Separation after further 30 min	None	None

**Results referring to the point KCP 2.7.4: 2 year ambient storage stability in COEX/EVOH**  
**Report no. M-525601-02-1**

Test	Initial	2 years at ambient temperature
<b>Content of active</b> method AM017812MF1 batch 2012-005269**		
foramsulfuron	51.1 g/L	49.6 g/L
<b>Content of active</b> method AM017812MF1 batch 2012-005269		
thiencarbazone-methyl	30.5 g/L	30.4 g/L
<b>Content of water</b> CIPAC MT 30.5	0.22%	0.21% (p.8)
<b>Stability of packaging material</b> OCSPP 830.6320	Not applicable	No deterioration of the packaging material and no adverse interaction with the formulation were observed.
Change in weight	Not applicable	< +0.1%
Deformation	None	No ballooning, no panelling.
Leakage	None	No leaking
Effect on closure	None	Leak proof
Packaging / preparation interaction	Not applicable	Appr.5.4 % reversible supernatant on top. No claying, no sedimentation.
<b>Colour</b> OCSPP 930..6302	Beige	Beige
<b>Odour</b> OCSPP 930..6304	Paint like odour	Paint like odour
<b>Physical state</b> OCSPP 930.6303	Suspension (liquid)	Suspension (liquid)
<b>Relative density at 20 °C</b> 92/69/EEC A3 (OECD 109)	1.028	1.026
<b>Acidity / alkalinity</b> CIPAC MT 191	The determination was not required as the pH-value was between 4.0 and 10.0.	

Test	Initial	2 years at ambient temperature
<b>pH-value</b> CIPAC MT 75.3 OCSPP 830.7000	1 % in deionised water	
	4.04	4.06
<b>Persistent foaming</b> CIPAC MT 47.3	1.3 % w/w (1000 mL/ha in 80 L/ha) in CIPAC standard water D	
	19 mL foam after 10 s 13 mL foam after 1 min 13 mL foam after 3 min 13 mL foam after 12 min	26 mL foam after 10 s 23 mL foam after 1 min 12 mL foam after 3 min 11 mL foam after 12 min
<b>Suspensibility</b> CIPAC MT 184	0.2 % w/w (500 mL/ha in 300 L/ha) in CIPAC standard water D	
foramsulfuron	100%	100%
thiencarbazone-methyl	100%	100%
<b>Suspensibility</b> CIPAC MT 184	1.3 % w/w (1000 mL/ha in 80 L/ha) in CIPAC standard water D	
foramsulfuron	100%	100%
thiencarbazone-methyl	99%	100%
<b>Wet sieve test</b> CIPAC MT 185	0.007 % residue on 75 µm	0.002 % residue on 75 µm
<b>Particle size distribution</b> CIPAC MT 187	d (0.1) 0.50 µm d (0.5) 1.61 µm d (0.9) 6.06 µm	d (0.1) 0.53 µm d (0.5) 1.65 µm d (0.9) 6.02 µm
<b>Dispersion stability</b> CIPAC MT 180	0.2 % w/w (500 mL/ha in 300 L/ha) in CIPAC standard water A	
Initial dispersibility	Completely	Completely
Separation after 30 min	None	None
Re-dispersibility after 24 h	Completely	Completely
Separation after further 30 min	None	None
<b>Dispersion stability</b> CIPAC MT 180	0.2 % w/w (500 mL/ha in 300 L/ha) in CIPAC standard water D	
Initial dispersibility	Completely	Completely
Separation after 30 min	None	None
Re-dispersibility after 24 h	Completely	Completely
Separation after further 30 min	None	None
<b>Dispersion stability</b> CIPAC MT 180	1.3 % w/w (1000 mL/ha in 80 L/ha) in CIPAC standard water A	
Initial dispersibility	Completely	Completely
Separation after 30 min	None	None
Re-dispersibility after 24 h	Completely	Completely
Separation after further 30 min	None	None
<b>Dispersion stability</b> CIPAC MT 180	1.3 % w/w (1000 mL/ha in 80 L/ha) in CIPAC standard water D	
Initial dispersibility	Completely	Completely
Separation after 30 min	None	None
Re-dispersibility after 24 h	Completely	Completely
Separation after further 30 min	None	None

Test	Initial	2 years at ambient temperature
<b>Pourability</b> CIPAC MT 148	Residue 0.69% Rinsed residue: 0.11%	Residue 1.82% Rinsed residue: 0.10%

**Results referring to the point KCP 2.7.4: 2 years ambient storage stability in COEX/PA**  
**Report no. M-525611-01-1**

Test	Initial	2 years at ambient temperature
<b>Content of active</b> method AM017812MF1 batch 2012-005269		
foramsulfuron	51.1 g/L	49.2 g/L
<b>Content of active</b> method AM017812MF1 batch 2012-005269		
thiencarbazone-methyl	30.5 g/L	30.2 g/L
<b>Content of water</b> CIPAC MT 30.5	0.22%	0.21%
<b>Stability of packaging material</b> OCSPP 830.6320	Not applicable	No deterioration of the packaging material and no adverse interaction with the formulation were observed.
Change in weight	Not applicable	< +0.1%
Deformation	None	No ballooning, no panelling.
Leakage	None	No leaking
Effect on closure	None	Leak proof
Packaging / preparation interaction	Not applicable	Appr.3.9 % reversible supernatant on top. No claying, no sedimentation.
<b>Colour</b> OCSPP 930..6302	Beige	Beige
<b>Odour</b> OCSPP 930..6304	Paint like odour	Paint like odour
<b>Physical state</b> OCSPP 930.6303	Suspension (liquid)	Suspension (liquid)
<b>Relative density at 20 °C*</b> 92/69/EEC A3 (OECD 109)	1.028	1.026
<b>Acidity / alkalinity</b> CIPAC MT 191	The determination was not required as the pH-value was between 4.0 and 10.0.	
<b>pH-value</b> CIPAC MT 75.3 OCSPP 830.7000	1 % in deionised water	
	4.04	4.07
<b>Persistent foaming</b> CIPAC MT 47.3	1.3 % w/w (1000 mL/ha in 80 L/ha) in CIPAC standard water D	
	19 mL foam after 10 s 13 mL foam after 1 min 13 mL foam after 3 min 13 mL foam after 12 min	26 mL foam after 10 s 23 mL foam after 1 min 12 mL foam after 3 min 11 mL foam after 12 min
<b>Suspensibility*</b> CIPAC MT 184	0.2 % w/w (500 mL/ha in 300 L/ha) in CIPAC standard water D	
foramsulfuron	100%	100%
thiencarbazone-methyl	100%	100%



Test	Initial	2 years at ambient temperature
<b>Suspensibility</b> CIPAC MT 184	1.3 % w/w (1000 mL/ha in 80 L/ha) in CIPAC standard water D	
foramsulfuron	100%	100%
thiencarbazone-methyl	99%	100%
<b>Wet sieve test*</b> CIPAC MT 185	0.007 % residue on 75 µm	0.002 % residue on 75 µm
<b>Particle size distribution*</b> CIPAC MT 187	d (0.1) 0.50 µm d (0.5) 1.61 µm d (0.9) 6.06 µm	d (0.1) 0.53 µm d (0.5) 1.65 µm d (0.9) 6.02 µm
<b>Dispersion stability*</b> CIPAC MT 180	0.2 % w/w (500 mL/ha in 300 L/ha) in CIPAC standard water A	
Initial dispersibility	Completely	Completely
Separation after 30 min	None	None
Re-dispersibility after 24 h	Completely	Completely
Separation after further 30 min	None	None
<b>Dispersion stability</b> CIPAC MT 180	0.2 % w/w (500 mL/ha in 300 L/ha) in CIPAC standard water D	
Initial dispersibility	Completely	Completely
Separation after 30 min	None	None
Re-dispersibility after 24 h	Completely	Completely
Separation after further 30 min	None	None
<b>Dispersion stability</b> CIPAC MT 180	1.3 % w/w (1000 mL/ha in 80 L/ha) in CIPAC standard water A	
Initial dispersibility	Completely	Completely
Separation after 30 min	None	None
Re-dispersibility after 24 h	Completely	Completely
Separation after further 30 min	None	None
<b>Dispersion stability</b> CIPAC MT 180	1.3 % w/w (1000 mL/ha in 80 L/ha) in CIPAC standard water D	
Initial dispersibility	Completely	Completely
Separation after 30 min	None	None
Re-dispersibility after 24 h	Completely	Completely
Separation after further 30 min	None	None
<b>Pourability*</b> CIPAC MT 148	Residue 0.69% Rinsed residue: 0.11%	Residue 1.82% Rinsed residue: 0.10%

\* transferred from the 2 year storage stability study in COEX/EVOH, report no. M-525601-02-1.

### 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)

The nature and characteristics of the packaging: information with regard to type, dimensions, capacity, size of opening, type of closure, strength, leakproofness, resistance to normal transport and handling, resistance to and compatibility with the contents of the packaging, have been submitted, evaluated and are considered to be acceptable.

**Table 4.1-1: Packaging information for bottles**

Type	Description
Material:	COEX/PA Coextruded high density polyethylene (HDPE) with an internal barrier layer made of polyamide (PA) COEX/EVOH Coextruded high density polyethylene (HDPE) with an internal barrier layer made of ethylene vinyl alcohol copolymer (EVOH)
Shape/size:	cylindrical / rectangular – see below for sizes
Opening:	screw cap 32mm, 50 mm and 63 mm
Closure:	polyethylene screw cap
Seal:	HF seal, Foam Disc
Manner of construction	extruded (HDPE) co-extruded (HDPE/PA, HDPE/EV)
UN/ADR	compliant

Volume	50-ml	100-ml	250 ml
Material I	-	-	COEX HDPE/PA
Material II	COEX/EVOH	COEX/EVOH	COEX/EVOH
Shape size [mm]	cylindrical 44x 82.6 mm	cylindrical 44 x 114.5 mm	cylindrical 62.5 x 137 mm
Opening	27.8 mm	27.8 mm	45 mm
Closure	Screw cap 32 mm	Screw cap 32 mm	Screw cap 50 mm
Seal	HF seal, foam disc	HF seal, foam disc	HF seal, foam disc
Manner of Construction	extruded, blow moulded	extruded, blow moulded	extruded, blow moulded
UN/ADR	compliant	compliant	compliant

Volume	500 ml	1 L	3 L
Material I	COEX HDPE/PA	COEX HDPE/PA	COEX HDPE/PA
Material II	COEX/EVOH	COEX/EVOH	-
Shape size [mm]	cylindrical 69 x 193 mm	cylindrical 88.5 x 244.5 mm	rectangular 190 x 140 x 236 mm
Opening	45 mm	45 mm	57.8 mm
Closure	Screw cap 50 mm	Screw cap	Screw cap
Seal	HF seal, foam disc	HF seal, foam disc	HF seal, foam disc
Manner of Construction	extruded, blow moulded	extruded, blow moulded	extruded, blow moulded
UN/ADR	compliant	compliant	compliant

Volume	5 L	10 L	15 L + cardboard
Material I	COEX HDPE/PA	COEX HDPE/PA	COEX HDPE/PA
Material II	-	-	-
Shape / size [mm]	rectangular / 190 x 140 x 309 mm	rectangular / 226 x 186 x 370 mm	rectangular / 245 x 225 x 404 mm
Opening	57.8 mm	57.8 mm	57.8 mm
Closure	Screw cap	Screw cap	Screw cap
Seal	HF seal, foam disc	HF seal, foam disc	HF seal, foam disc
Manner of Construction	extruded, blow moulded	extruded, blow moulded	extruded, blow moulded
UN/ADR	compliant	compliant	compliant

Complying with CropLife International recommendation for one way agrochemical packaging design criteria for liquids and solids [Guidelines for the safe formulation and packaging of crop protection products (Guideline 6)].

Resistance of the packaging material:

The material proposed for use (High Density Polyethylene Coextruded) are known from experience to be compatible with solvent based formulations and are resistant to the influences of chemicals. However, the resistance of the packaging material to its contents has been tested in the accelerated storage stability and the 2 years storage stability studies in accordance with CropLife International Technical Monograph No 17 (June 2009). The results show that no detrimental effects were noted thus demonstrating the acceptability of the packaging material.

## 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 GLP or GEP status published or not	Vertebrate study Y/N	Owner
KCP 2.1 / 01 ... also filed: KCP 2.4 / 01 KCP 2.5 / 01 KCP 2.6 / 01 KCP 2.8.2 / 01 KCP 2.8.3 / 01 KCP 2.8.5.1 / 01 KCP 2.8.7 / 01	Rexer, K.	2013	Physical, chemical and technical properties of foramsulfuron + thiencarbazone-methyl OD 80 (50+30 g/L) Final report Report No.: FM0165(PCF00)G01, Edition Number: M-461419-01-1 Bayer CropScience AG, Monheim, Germany GLP/GEP: Yes unpublished	No	Bayer
KCP 2.2 / 01 ... also filed: KCP 2.3 / 01	Keldenich, H. P.	2013	Safety-relevant data of foramsulfuron + thiencarbazone-methyl OD 80 (50+30 g/L) Report No.: 2013/00169, Edition Number: M-458775-01-1 Bayer Technology Services GmbH, Leverkusen, Germany GLP/GEP: Yes unpublished	No	Bayer
KCP 2.3 / 01 ... also filed: KCP 2.2 / 01	Keldenich, H. P.	2013	Safety-relevant data of foramsulfuron + thiencarbazone-methyl OD 80 (50+30 g/L) Report No.: 2013/00169, Edition Number: M-458775-01-1 Bayer Technology Services GmbH, Leverkusen, Germany GLP/GEP: Yes unpublished	No	Bayer

Data Point	Author(s)	Year	Title Company Report No. Source GLP or GEP status published or not	Vertebrate study Y/N	Owner
KCP 2.4 / 01 ... also filed: KCP 2.1 / 01 KCP 2.5 / 01 KCP 2.6 / 01 KCP 2.8.2 / 01 KCP 2.8.3 / 01 KCP 2.8.5.1 / 01 KCP 2.8.7 / 01	Rexer, K.	2013	Physical, chemical and technical properties of foramsulfuron + thiencarbazone-methyl OD 80 (50+30 g/L) Final report Report No.: FM0165(PCF00)G01, Edition Number: M-461419-01-1 Bayer CropScience AG, Monheim, Germany GLP/GEP: Yes unpublished	No	Bayer
KCP 2.5 / 01 ... also filed: KCP 2.1 / 01 KCP 2.4 / 01 KCP 2.6 / 01 KCP 2.8.2 / 01 KCP 2.8.3 / 01 KCP 2.8.5.1 / 01 KCP 2.8.7 / 01	Rexer, K.	2013	Physical, chemical and technical properties of foramsulfuron + thiencarbazone-methyl OD 80 (50+30 g/L) Final report Report No.: FM0165(PCF00)G01, Edition Number: M-461419-01-1 Bayer CropScience AG, Monheim, Germany GLP/GEP: Yes unpublished	No	Bayer
KCP 2.6 / 01 ... also filed: KCP 2.1 / 01 KCP 2.4 / 01 KCP 2.5 / 01 KCP 2.8.2 / 01 KCP 2.8.3 / 01 KCP 2.8.5.1 / 01 KCP 2.8.7 / 01	Rexer, K.	2013	Physical, chemical and technical properties of foramsulfuron + thiencarbazone-methyl OD 80 (50+30 g/L) Final report Report No.: FM0165(PCF00)G01, Edition Number: M-461419-01-1 Bayer CropScience AG, Monheim, Germany GLP/GEP: Yes unpublished	No	Bayer

Data Point	Author(s)	Year	Title Company Report No. Source GLP or GEP status published or not	Vertebrate study Y/N	Owner
KCP 2.7 / 01 ... also filed: <b>KCP 2.8.2 / 02</b> <b>KCP 2.8.3 / 02</b>	Rexer, K.	2014	Storage stability at elevated temperature of foramsulfuron + thien carbazone-methyl OD 80 (50+30 g/L) - Packaging material: COEX/PA - Final report (8 weeks) / 1. amendment - Report No.: FM0165(ACF02)N01, Edition Number: M-464718-03-1 Bayer CropScience AG, Monheim, Germany ... amended: 2014-02-10 GLP/GEP: No unpublished	No	Bayer
KCP 2.7 / 02 ... also filed: <b>KCP 2.8.2 / 03</b> <b>KCP 2.8.3 / 03</b>	Rexer, K.	2014	Storage stability at elevated temperature and cold stability of foramsulfuron + thien carbazone-methyl OD 80 (50+30 g/L) - Packaging material: COEX/EVOH - Final report (8 weeks) / 1. amendment - Report No.: FM0165(ACF03)N01, Edition Number: M-464720-03-1 Bayer CropScience AG, Monheim, Germany ... amended: 2014-02-10 GLP/GEP: No unpublished	No	Bayer
KCP 2.7 / 03	Rexer, K.	2015	Shelf life of foramsulfuron + thien carbazone-methyl OD 80 (50+30 g/L) - Packaging material: CO-EX/PA - Final report (2 years) Report No.: FM0165(SLF02)N01, Edition Number: M-525611-01-1 Bayer CropScience AG, Monheim, Germany GLP/GEP: No unpublished	No	Bayer
KCP 2.7 / 04	Rexer, K.	2018	Shelf life (2 years) of foramsulfuron + thien carbazone-methyl OD 80 (50+30 g/L) - Packaging material: COEX/EVOH - Final report / 1. Amendment Report No.: FM0165(SLF03)N01, Edition Number: M-525601-02-1 Bayer AG, Crop Science Division, Monheim, Germany ... amended: 2018-05-03 GLP/GEP: No unpublished	No	Bayer

Data Point	Author(s)	Year	Title Company Report No. Source GLP or GEP status published or not	Vertebrate study Y/N	Owner
KCP 2.8.2 / 01 ... also filed: KCP 2.1 / 01 KCP 2.4 / 01 KCP 2.5 / 01 KCP 2.6 / 01 KCP 2.8.3 / 01 KCP 2.8.5.1 / 01 KCP 2.8.7 / 01	Rexer, K.	2013	Physical, chemical and technical properties of foramsulfuron + thien carbazone-methyl OD 80 (50+30 g/L) Final report Report No.: FM0165(PCF00)G01, Edition Number: M-461419-01-1 Bayer CropScience AG, Monheim, Germany GLP/GEP: Yes unpublished	No	Bayer
KCP 2.8.2 / 02 ... also filed: KCP 2.7 / 01 KCP 2.8.3 / 02	Rexer, K.	2014	Storage stability at elevated temperature of foramsulfuron + thien carbazone-methyl OD 80 (50+30 g/L) - Packaging material: COEX/PA - Final report (8 weeks) / 1. amendment - Report No.: FM0165(ACF02)N01, Edition Number: M-464718-03-1 Bayer CropScience AG, Monheim, Germany ... amended: 2014-02-10 GLP/GEP: No unpublished	No	Bayer
KCP 2.8.2 / 03 ... also filed: KCP 2.7 / 02 KCP 2.8.3 / 03	Rexer, K.	2014	Storage stability at elevated temperature and cold stability of foramsulfuron + thien carbazone-methyl OD 80 (50+30 g/L) - Packaging material: COEX/EVOH - Final report (8 weeks) / 1. amendment - Report No.: FM0165(ACF03)N01, Edition Number: M-464720-03-1 Bayer CropScience AG, Monheim, Germany ... amended: 2014-02-10 GLP/GEP: No unpublished	No	Bayer
KCP 2.8.3 / 01 ... also filed: KCP 2.1 / 01 KCP 2.4 / 01 KCP 2.5 / 01 KCP 2.6 / 01 KCP 2.8.2 / 01 KCP 2.8.5.1 / 01 KCP 2.8.7 / 01	Rexer, K.	2013	Physical, chemical and technical properties of foramsulfuron + thien carbazone-methyl OD 80 (50+30 g/L) Final report Report No.: FM0165(PCF00)G01, Edition Number: M-461419-01-1 Bayer CropScience AG, Monheim, Germany GLP/GEP: Yes unpublished	No	Bayer

Data Point	Author(s)	Year	Title Company Report No. Source GLP or GEP status published or not	Vertebrate study Y/N	Owner
KCP 2.8.3 / 02 ... also filed: KCP 2.7 / 01 KCP 2.8.2 / 02	Rexer, K.	2014	Storage stability at elevated temperature of foramsulfuron + thien carbazone-methyl OD 80 (50+30 g/L) - Packaging material: COEX/PA - Final report (8 weeks) / 1. amendment - Report No.: FM0165(ACF02)N01, Edition Number: M-464718-03-1 Bayer CropScience AG, Monheim, Germany ... amended: 2014-02-10 GLP/GEP: No unpublished	No	Bayer
KCP 2.8.3 / 03 ... also filed: KCP 2.7 / 02 KCP 2.8.2 / 03	Rexer, K.	2014	Storage stability at elevated temperature and cold stability of foramsulfuron + thien carbazone-methyl OD 80 (50+30 g/L) - Packaging material: COEX/EVOH - Final report (8 weeks) / 1. amendment - Report No.: FM0165(ACF03)N01, Edition Number: M-464720-03-1 Bayer CropScience AG, Monheim, Germany ... amended: 2014-02-10 GLP/GEP: No unpublished	No	Bayer
KCP 2.8.5.1 / 01 ... also filed: KCP 2.1 / 01 KCP 2.4 / 01 KCP 2.5 / 01 KCP 2.6 / 01 KCP 2.8.2 / 01 KCP 2.8.3 / 01 KCP 2.8.7 / 01	Rexer, K.	2013	Physical, chemical and technical properties of foramsulfuron + thien carbazone-methyl OD 80 (50+30 g/L) Final report Report No.: FM0165(PCF00)G01, Edition Number: M-461419-01-1 Bayer CropScience AG, Monheim, Germany GLP/GEP: Yes unpublished	No	Bayer
KCP 2.8.7 / 01 ... also filed: KCP 2.1 / 01 KCP 2.4 / 01 KCP 2.5 / 01 KCP 2.6 / 01 KCP 2.8.2 / 01 KCP 2.8.3 / 01 KCP 2.8.5.1 / 01	Rexer, K.	2013	Physical, chemical and technical properties of foramsulfuron + thien carbazone-methyl OD 80 (50+30 g/L) Final report Report No.: FM0165(PCF00)G01, Edition Number: M-461419-01-1 Bayer CropScience AG, Monheim, Germany GLP/GEP: Yes unpublished	No	Bayer



Data Point	Author(s)	Year	Title Company Report No. Source GLP or GEP status published or not	Vertebrate study Y/N	Owner
KCP Section 12 / 01	Anon.	2020	FSN+TCM OD 50+30 G U-EU Report No.: M-511911-03-1 Bayer AG, Leverkusen, Germany GLP/GEP: n.a. unpublished	No	Bayer
KCP Section 12 / 02	Anon.	2019	Foramsulfuron technical Report No.: M-470109-02-2 Bayer AG, Leverkusen, Germany GLP/GEP: n.a. unpublished	No	Bayer
KCP Section 12 / 03	Anon.	2019	Thiencarbazone-methyl TC F Report No.: M-572770-03-1 Bayer AG, Leverkusen, Germany GLP/GEP: n.a. unpublished	No	Bayer

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

Please note that all data mentioned as part of DAR, RAR, or EFSA journals are considered as relied on.

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

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            Foramsulfuron**

None.

### **A 2.2            Thiencarbazone-methyl**

None.