

# 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: GF-3308

Product name: Questar

Chemical active substance:

Fenpicoxamid (XDE-777), 50 g/L

Central Zone

Zonal Rapporteur Member State: Poland

## CORE ASSESSMENT

(authorization)

Applicant: Corteva Agriscience

Submission date: May 2021

MS Finalisation date: March 2022 (initial Core Assessment)

August 2022 (final Core Assessment)

### Version history

When	What
May 2021	New submission of GF-3308 in the Central Zone.
March 2022	Initial assessment by the zRMS.  The report in the dRR format has been prepared by the Applicant, therefore all comments, additional evaluations and conclusions of the zRMS are presented in grey commenting boxes. Minor changes are introduced directly in the text and highlighted in grey. Not agreed or not relevant information are struck through and shaded for transparency.
August 2022	Final report (Core Assessment updated following the commenting period).  Additional information/assessments included by the zRMS in the report in response to comments received from the cMS and the Applicant are highlighted in yellow. Information no longer relevant is struck through and shaded.

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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.

Noticed data gaps are: none

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

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

<b>Central Address</b>	Corteva Agriscience International Sàrl
Telephone	
Contact	
Email	
<b>Member State Address</b>	Corteva Agriscience Poland sp z o.o.
Telephone	
Contact	
Email	

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

#### **1.2.1 Producer(s) of the preparation**

Confidential information or data are provided separately (Part C).

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

Confidential information or data are provided separately (Part C).

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

Confidential information or data are provided separately (Part C).

#### **1.2.4 Statement of purity (and detailed information on impurities) of the active substance(s)**

##### **1.2.4.1 Fenpicoxamid**

<b>End-Point</b>	<b>Fenpicoxamid (XDE-777)</b>
Reference	Commission Implementing Regulation (EU) 2018/1265 <del>in progress</del>
Purity of active substance	> 750 g/kg

There are no relevant impurities in active substance, Fenpicoxamid. Information relating to the impurities is confidential information; please refer to Part C (confidential information).

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

Trade name: Please refer to Registration Report Part A for the relevant country

Company code number: GF-3308

## 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)

GF-3308 was not the representative formulation in the active substance approval.

**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)
Fenpicoxamid	50.0	45.0 – 55.0	66.7	6.56

\* Based on minimum technical purities of 750 g/kg for Fenpicoxamid

\*\* Based on the density of the formulation = 1.016 g/mL

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

Safener / synergist	Declared content of the safener / synergist (g/L or g/kg)	FAO Limits (min – max)	Technical content* (g/L or g/kg)	Technical content** (%w/w)
N/A	N/A	N/A	N/A	N/A

**Table 1.4-3: Relevant impurities**

Relevant impurity	Maximum content (g/L or g/kg)
N/A	N/A

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

**Table 1.4-4: Information on active substance Fenpicoxamid**

Type	Name/Code Number
ISO common name	Fenpicoxamid
CAS No.	517875-34-2
EC No.	Not available
CIPAC No.	991

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

This product does not contain safeners or synergists.

CONFIDENTIAL information is provided separately (Part C).

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

Type: Emulsion concentrate

[Code: EC]

## 1.6 Function (KCP 1.6)

Fungicide.

## **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 clear light yellow liquid (19.4 °C), with a fruity odour. It is not explosive and has no oxidising properties. The product is not flammable/has a flash point of 80.5 °C. It has a self-ignition temperature of 382 °C. In aqueous solution, it has a pH value around 4.35 at 20.0 °C. There is no effect of low and high temperature on the stability of the formulation, since after 7 days at 0 °C, 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 3 years at ambient temperature when stored in COEX (HDPE/PA) and F-HDPE bottles. The technical characteristics of GF-3308 are acceptable for an emulsifiable concentrate formulation.

The intended concentration of use is 0.67% to 2.0%.

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

No classification is required by the physical and chemical properties of GF-3308.

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

No risk and safety phrases are required by the physical and chemical properties of GF-3308.

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

The product GF-3308 complies with FAO specifications.

### **Formulation used for tests**

The product, GF-3308, that was used in the tests has the same composition as what was cited in the 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)	Visual and Olfactory Inspection	TSN311166 4.8 % wt Fenpicoxamid	Clear light yellow liquid at 19.4 °C	Y	FAPC-G-161128, Jones, J.	Accepted.
Explosive properties (KCP 2.2.1)	EEC A14	TSN311166 4.8 % wt Fenpicoxamid	Not Explosive	Y	NAFST-161215, Dunning, J.	Accepted. GF-3308 has no explosive properties.
Oxidizing properties (KCP 2.2.2)	EEC A21	TSN311166 4.8 % wt Fenpicoxamid	Non-oxidizing	Y	NAFST-161215, Dunning, J.	Accepted. GF-3308 has no oxidising properties
Flash point (KCP 2.3.1)	CIPAC MT 12.3	TSN311166 4.8 % wt Fenpicoxamid	A flash point was observed at 80.5 °C	Y	FAPC-G-161128, Jones, J.	Accepted.
Flammability (KCP 2.3.2)	EEC A10	TSN311166 4.8 % wt Fenpicoxamid	Refer to KCP 2.3.1	-	-	-
Self-heating (KCP 2.3.3)	EEC A15	TSN311166 4.8 % wt Fenpicoxamid	382 °C	Y	NAFST-161215, Dunning, J.	Accepted.
Acidity or alkalinity and pH (KCP 2.4.1)	CIPAC MT 75.3	TSN312985 5.1 % wt Fenpicoxamid	4.48 (21.4 °C)	Y	FOR-161192, Tidwell, H.	Accepted.
pH of a 1% aqueous dilution, emulsion or dispersion (KCP 2.4.2)	CIPAC MT 75.3	TSN311166 4.8 % wt Fenpicoxamid	1% wt/wt aqueous solution was 4.35 at 20.0 °C	Y	FAPC-G-161128, Jones, J.	Accepted.
Viscosity	OECD 114	TSN311166	Newtonian formulation with a viscosity of 7.52 mPa•s at 20.0 °C and 4.41 mPa•s at 40.0 °C	Y	FAPC-G-	Accepted.

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
(KCP 2.5.1)	CIPAC MT 22.3	4.8 % wt Fenpicoxamid			161128, Jones, J.	
Surface tension (KCP 2.5.2)	EEC A5	TSN311166 4.8 % wt Fenpicoxamid	Neat at 25 °C 31.0 mN/m Neat at 40 °C 29.5 mN/m 4% v/v dilution at 20 °C 27.5 mN/m	Y	NAFST-161215, Dunning, J.	Accepted. The preparation is a surface active.
Relative density (KCP 2.6.1)	EEC A3	TSN311166 4.8 % wt Fenpicoxamid	1.0108 g/mL at 20.04 °C.	Y	FAPC-G-161128, Jones, J.	Accepted.
Bulk density (KCP 2.6.2)	-	-	Not Applicable, Formulation is an EC	-	-	-
Storage Stability after 14 days at 54° C (KCP 2.7.1)	CIPAC MT 46.3	TSN312985 5.1 % wt Fenpicoxamid	Based on the chemical and physical results obtained from the study, it can be concluded that GF-3308 is chemically and/or physically stable in 1-L COEXH (HDPE/PA) and 1-L F-HDPE after 14 days at 54 °C storage conditions.	Y	FOR-161192, Tidwell, H.	The product showed no significant physical changes after accelerated storage. No significant changes were observed in the packaging (COEX/PA and F-HDPE) and therefore it can be concluded that the test item was not corrosive to the container material.  No toxicologically, ecotoxicologically or environmentally relevant impurities are formed upon



Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments																											
			<table><tr><th colspan="3">Results Summary</th></tr><tr><th>Test</th><th>Method Reference</th><th>Findings</th></tr><tr><td>Active Ingredient Content</td><td>DAS-AM-G-161106</td><td>Chemically stable after two weeks 54°C storage in COEX and F-HDPE (&lt; 5% change from time zero analysis)</td></tr><tr><td>Appearance</td><td>N/A</td><td>Product showed no significant physical changes after two week 54°C storage in COEX and F-HDPE</td></tr><tr><td>Packaging Assessment</td><td>N/A</td><td>The COEX and F-HDPE bottles showed no indications of significant weight loss or physical deterioration that would interfere with the safe handling of the product after two weeks storage at 54°C</td></tr><tr><td>pH (1%)</td><td>CIPAC MT 75.3</td><td>Time Zero – 4.48 at 21.4°C 2wk 54°C in COEX – 4.42 at 21.1°C 2wk 54°C in F-HDPE – 4.43 at 20.9°C</td></tr><tr><td>Persistent Foam</td><td>CIPAC MT 47.2</td><td>Results were ≤ 60 mL foam after 1 minute at 2.0% w/v GF-3308 before and after two week 54°C storage in COEX and F-HDPE</td></tr><tr><td>Emulsion Stability</td><td>CIPAC MT 36.3</td><td>Results were ≤ 2 mL of cream after 30 minutes and no oil at 0.67% v/v and 2.0% v/v GF-3308 in standard water A and D before and after two week 54°C in COEX and F-HDPE</td></tr><tr><td>Effect of Low Temperature on Stability</td><td>CIPAC MT 39.3</td><td>The stored product showed no significant physical changes after storage for one week at 0°C. Emulsion stability (CIPAC MT 36.3) results were ≤ 25 mL of cream after 30 minutes and no oil at 0.67% v/v and 2.0% v/v GF-3308 in standard water A and D before and after one week 0°C. Based on the physical test obtained from the study, it can be concluded that GF-3308 is stable stored at 0°C for one week.</td></tr></table>	Results Summary			Test	Method Reference	Findings	Active Ingredient Content	DAS-AM-G-161106	Chemically stable after two weeks 54°C storage in COEX and F-HDPE (< 5% change from time zero analysis)	Appearance	N/A	Product showed no significant physical changes after two week 54°C storage in COEX and F-HDPE	Packaging Assessment	N/A	The COEX and F-HDPE bottles showed no indications of significant weight loss or physical deterioration that would interfere with the safe handling of the product after two weeks storage at 54°C	pH (1%)	CIPAC MT 75.3	Time Zero – 4.48 at 21.4°C 2wk 54°C in COEX – 4.42 at 21.1°C 2wk 54°C in F-HDPE – 4.43 at 20.9°C	Persistent Foam	CIPAC MT 47.2	Results were ≤ 60 mL foam after 1 minute at 2.0% w/v GF-3308 before and after two week 54°C storage in COEX and F-HDPE	Emulsion Stability	CIPAC MT 36.3	Results were ≤ 2 mL of cream after 30 minutes and no oil at 0.67% v/v and 2.0% v/v GF-3308 in standard water A and D before and after two week 54°C in COEX and F-HDPE	Effect of Low Temperature on Stability	CIPAC MT 39.3	The stored product showed no significant physical changes after storage for one week at 0°C. Emulsion stability (CIPAC MT 36.3) results were ≤ 25 mL of cream after 30 minutes and no oil at 0.67% v/v and 2.0% v/v GF-3308 in standard water A and D before and after one week 0°C. Based on the physical test obtained from the study, it can be concluded that GF-3308 is stable stored at 0°C for one week.			storage, evaluation of this parameter after storage is not necessary.  The accelerated stability data indicate a shelf life of at least 2 years at ambient temperature when stored in COEX/PA and F-HDPE.
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Stability after storage for other periods and/or temperatures (KCP 2.7.2)	CIPAC MT 46.3	TSN312985 5.1 % wt Fenpicoxamid	Based on the chemical and physical results obtained from the study, it can be concluded that GF-3308 is chemically and/or physically stable in 1-L COEX (HDPE/PA), 1-L F-HDPE, and 20-L F-HDPE after 8 weeks at 40 °C storage conditions.	Y	FOR-161212, Tidwell, H.	Accepted.  The product showed no significant physical changes after accelerated storage. No significant changes were observed in the packaging																											

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Emulsion Stability	CIPAC MT 36.3	Results were no cream or oil after 30 minutes in standard water A and D before and after eight weeks of storage at 40°C in COEX and F-HDPE																			
Minimum content after heat stability testing (KCP 2.7.3)	-	-	Refer to 2.7.1.	-	-	-															

[illegible]

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Fenpicoxamid content remained chemically stable after 18 months but changed <math>&gt; 5\%</math> after 2 years of ambient storage in 1-L COEX.</td></tr><tr><td>Degradant Content</td><td>DAS-AM-G-180924</td><td>Fenpicoxamid degradants X12335723, X12314005, X12019520, and X12393285 were quantitated and an acceptable total mass balance (<math>\geq 98\%</math>) was demonstrated after two years of ambient storage in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.</td></tr><tr><td rowspan="6">Water Content</td><td rowspan="6">Karl Fischer</td><td>Time Zero</td><td>0.14% w/w</td></tr><tr><td>Eighteen Months 1-L COEX</td><td>0.49% w/w</td></tr><tr><td>Eighteen Months 1-L F-HDPE</td><td>0.44% w/w</td></tr><tr><td>Two Years 1-L COEX</td><td>0.39% w/w</td></tr><tr><td>Two Years 1-L F-HDPE</td><td>0.43% w/w</td></tr><tr><td>Two Years 20-L F-HDPE</td><td>0.43% w/w</td></tr><tr><td>Appearance</td><td>N/A</td><td colspan="2">Product showed no significant physical changes after ambient storage for eighteen months in 1-L COEX and 1-L F-HDPE and two years in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.</td></tr><tr><td>Packaging Assessment</td><td>N/A</td><td colspan="2">The 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE bottles showed no indications of significant weight loss or physical deterioration that would interfere with the safe handling of the product after eighteen months and two years of ambient storage.</td></tr><tr><td rowspan="5">Determination of pH Values (1% w/v)</td><td rowspan="5">CIPAC MT 75.3</td><td>Time Zero</td><td>4.48 at 21.4°C</td></tr><tr><td>Eighteen Months 1-L COEX</td><td>4.35 at 20.5°C</td></tr><tr><td>Eighteen Months 1-L F-HDPE</td><td>4.39 at 20.4°C</td></tr><tr><td>Two Years 1-L COEX</td><td>4.27 at 20.5°C</td></tr><tr><td>Two Years 1-L F-HDPE</td><td>4.34 at 21.0°C</td></tr><tr><td rowspan="2">Persistent Foam</td><td rowspan="2">CIPAC MT 47.2</td><td>Two Years 20-L F-HDPE</td><td>4.35 at 21.0°C</td></tr><tr><td colspan="2">Results were <math>\leq 60</math> mL foam after 1 minute at 2.0% v/v GF-3308 after ambient storage for eighteen months in 1-L COEX and 1-L F-HDPE and two years in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.</td></tr><tr><td>Emulsion Stability &amp; Re-Emulsification</td><td>CIPAC MT 36.3</td><td colspan="2">Results were <math>\leq 2</math> mL of cream after 30 minutes and no oil at 0.4% v/v and 2.0% v/v GF-3308 in standard water A and D after ambient storage for eighteen months in 1-L COEX and 1-L F-HDPE and two years in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.</td></tr></table> <p>Fenpicoxamid showed degradation <math>&gt; 5\%</math> in (-5.2%) 1-L COEX (HDPE/PA) and (-5.6%) 1-L F-HDPE, and (-5.4%) 20-L F-HDPE bottles through three years warehouse ambient storage. However, the breakdown products (X12019520, X12393285, X12335723, and X12314005) were quantitated and acceptable mass balance was demonstrated. Based on the chemical and physical results obtained from the study, it can be concluded that GF-3308 is chemically and/or physically stable in 1-L COEX (HDPE/PA), 1-L F-HDPE, and 20-L F-HDPE after 3 years in ambient storage conditions.</p>	Results Summary			Test	Method Reference	Findings	Active Ingredient Content	DAS-AM-G-161106	Fenpicoxamid content remained chemically stable after 18 months and 2 years of ambient storage in 1-L F-HDPE and 20-L F-HDPE ( $\leq 5\%$ change from time zero analysis). Fenpicoxamid content remained chemically stable after 18 months but changed $> 5\%$ after 2 years of ambient storage in 1-L COEX.	Degradant Content	DAS-AM-G-180924	Fenpicoxamid degradants X12335723, X12314005, X12019520, and X12393285 were quantitated and an acceptable total mass balance ( $\geq 98\%$ ) was demonstrated after two years of ambient storage in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.	Water Content	Karl Fischer	Time Zero	0.14% w/w	Eighteen Months 1-L COEX	0.49% w/w	Eighteen Months 1-L F-HDPE	0.44% w/w	Two Years 1-L COEX	0.39% w/w	Two Years 1-L F-HDPE	0.43% w/w	Two Years 20-L F-HDPE	0.43% w/w	Appearance	N/A	Product showed no significant physical changes after ambient storage for eighteen months in 1-L COEX and 1-L F-HDPE and two years in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.		Packaging Assessment	N/A	The 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE bottles showed no indications of significant weight loss or physical deterioration that would interfere with the safe handling of the product after eighteen months and two years of ambient storage.		Determination of pH Values (1% w/v)	CIPAC MT 75.3	Time Zero	4.48 at 21.4°C	Eighteen Months 1-L COEX	4.35 at 20.5°C	Eighteen Months 1-L F-HDPE	4.39 at 20.4°C	Two Years 1-L COEX	4.27 at 20.5°C	Two Years 1-L F-HDPE	4.34 at 21.0°C	Persistent Foam	CIPAC MT 47.2	Two Years 20-L F-HDPE	4.35 at 21.0°C	Results were $\leq 60$ mL foam after 1 minute at 2.0% v/v GF-3308 after ambient storage for eighteen months in 1-L COEX and 1-L F-HDPE and two years in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.		Emulsion Stability & Re-Emulsification	CIPAC MT 36.3	Results were $\leq 2$ mL of cream after 30 minutes and no oil at 0.4% v/v and 2.0% v/v GF-3308 in standard water A and D after ambient storage for eighteen months in 1-L COEX and 1-L F-HDPE and two years in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.			FOR-161195, Stoltz, V.	Study accepted.
Results Summary																																																														
Test	Method Reference	Findings																																																												
Active Ingredient Content	DAS-AM-G-161106	Fenpicoxamid content remained chemically stable after 18 months and 2 years of ambient storage in 1-L F-HDPE and 20-L F-HDPE ( $\leq 5\%$ change from time zero analysis). Fenpicoxamid content remained chemically stable after 18 months but changed $> 5\%$ after 2 years of ambient storage in 1-L COEX.																																																												
Degradant Content	DAS-AM-G-180924	Fenpicoxamid degradants X12335723, X12314005, X12019520, and X12393285 were quantitated and an acceptable total mass balance ( $\geq 98\%$ ) was demonstrated after two years of ambient storage in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.																																																												
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Appearance	N/A	Product showed no significant physical changes after ambient storage for eighteen months in 1-L COEX and 1-L F-HDPE and two years in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.																																																												
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Persistent Foam	CIPAC MT 47.2	Two Years 20-L F-HDPE	4.35 at 21.0°C																																																											
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Emulsion Stability & Re-Emulsification	CIPAC MT 36.3	Results were $\leq 2$ mL of cream after 30 minutes and no oil at 0.4% v/v and 2.0% v/v GF-3308 in standard water A and D after ambient storage for eighteen months in 1-L COEX and 1-L F-HDPE and two years in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.																																																												

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments																																																								
			<table><tr><th colspan="3">Results Summary</th></tr><tr><th>Test</th><th>Method Reference</th><th>Findings</th></tr><tr><td>Active Ingredient Content</td><td>DAS-AM-G-161106</td><td>Fenpicoxamid content changed &gt; 5% from time zero analysis after thirty months and three years of lab ambient storage in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE, with exception of the 1-L COEX after 30 months of lab ambient storage which did not change greater than 5%.</td></tr><tr><td>Degradant Content</td><td>DAS-AM-G-180924</td><td>Potential fenpicoxamid degradants X12335723, X12314005, X12019520, and X12393285 were quantitated and an acceptable total mass balance (between 98% and 102%) was demonstrated after thirty months of lab ambient storage in 1-L COEX and 1-L F-HDPE. Potential fenpicoxamid degradants X12314005, X12019520, and X12393285 were quantitated with exception of X12335723 (qualitative result) and an acceptable total mass balance (between 98% and 102%) was demonstrated after three years of lab ambient storage in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.</td></tr><tr><td rowspan="6">Water Content</td><td rowspan="6">Karl Fischer</td><td>Time Zero</td><td>0.14% w/w</td></tr><tr><td>Thirty Months 1-L COEX</td><td>0.24% w/w</td></tr><tr><td>Thirty Months 1-L F-HDPE</td><td>0.30% w/w</td></tr><tr><td>Three Years 1-L COEX</td><td>0.31% w/w</td></tr><tr><td>Three Years 1-L F-HDPE</td><td>0.29% w/w</td></tr><tr><td>Three Years 20-L F-HDPE</td><td>0.34% w/w</td></tr><tr><td>Appearance</td><td>N/A</td><td colspan="2">Product showed no significant physical changes after lab ambient storage for thirty months in 1-L COEX and 1-L F-HDPE and three years in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.</td></tr><tr><td>Packaging Assessment</td><td>N/A</td><td colspan="2">The 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE bottles showed no indications of significant weight loss or physical deterioration that would interfere with the safe handling of the product after thirty months and three years of lab ambient storage.</td></tr><tr><td rowspan="6">Determination of pH Values (~ 1% w/v)</td><td rowspan="6">CIPAC MT 75.3</td><td>Time Zero</td><td>4.48 at 21.4°C</td></tr><tr><td>Thirty Months 1-L COEX</td><td>4.38 at 20.0°C</td></tr><tr><td>Thirty Months 1-L F-HDPE</td><td>4.36 at 19.9°C</td></tr><tr><td>Three Years 1-L COEX</td><td>4.40 at 20.2°C</td></tr><tr><td>Three Years 1-L F-HDPE</td><td>4.35 at 20.0°C</td></tr><tr><td>Three Years 20-L F-HDPE</td><td>4.38 at 20.1°C</td></tr><tr><td>Persistent Foam</td><td>CIPAC MT 47.2</td><td colspan="2">Results were &lt; 60 mL foam after 1 minute at 2.0% v/v GF-3308 after lab ambient storage for thirty months in 1-L COEX and 1-L F-HDPE and three years in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.</td></tr><tr><td>Emulsion Stability &amp; Re-Emulsification</td><td>CIPAC MT 36.3</td><td colspan="2">Results were no cream after 30 minutes and no oil were observed at 0.4% v/v, 0.67% v/v, and 2.0% v/v GF-3308 in standard water A and D after lab ambient storage for thirty months in 1-L COEX and 1-L F-HDPE and three years in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.</td></tr></table>	Results Summary			Test	Method Reference	Findings	Active Ingredient Content	DAS-AM-G-161106	Fenpicoxamid content changed > 5% from time zero analysis after thirty months and three years of lab ambient storage in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE, with exception of the 1-L COEX after 30 months of lab ambient storage which did not change greater than 5%.	Degradant Content	DAS-AM-G-180924	Potential fenpicoxamid degradants X12335723, X12314005, X12019520, and X12393285 were quantitated and an acceptable total mass balance (between 98% and 102%) was demonstrated after thirty months of lab ambient storage in 1-L COEX and 1-L F-HDPE. Potential fenpicoxamid degradants X12314005, X12019520, and X12393285 were quantitated with exception of X12335723 (qualitative result) and an acceptable total mass balance (between 98% and 102%) was demonstrated after three years of lab ambient storage in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.	Water Content	Karl Fischer	Time Zero	0.14% w/w	Thirty Months 1-L COEX	0.24% w/w	Thirty Months 1-L F-HDPE	0.30% w/w	Three Years 1-L COEX	0.31% w/w	Three Years 1-L F-HDPE	0.29% w/w	Three Years 20-L F-HDPE	0.34% w/w	Appearance	N/A	Product showed no significant physical changes after lab ambient storage for thirty months in 1-L COEX and 1-L F-HDPE and three years in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.		Packaging Assessment	N/A	The 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE bottles showed no indications of significant weight loss or physical deterioration that would interfere with the safe handling of the product after thirty months and three years of lab ambient storage.		Determination of pH Values (~ 1% w/v)	CIPAC MT 75.3	Time Zero	4.48 at 21.4°C	Thirty Months 1-L COEX	4.38 at 20.0°C	Thirty Months 1-L F-HDPE	4.36 at 19.9°C	Three Years 1-L COEX	4.40 at 20.2°C	Three Years 1-L F-HDPE	4.35 at 20.0°C	Three Years 20-L F-HDPE	4.38 at 20.1°C	Persistent Foam	CIPAC MT 47.2	Results were < 60 mL foam after 1 minute at 2.0% v/v GF-3308 after lab ambient storage for thirty months in 1-L COEX and 1-L F-HDPE and three years in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.		Emulsion Stability & Re-Emulsification	CIPAC MT 36.3	Results were no cream after 30 minutes and no oil were observed at 0.4% v/v, 0.67% v/v, and 2.0% v/v GF-3308 in standard water A and D after lab ambient storage for thirty months in 1-L COEX and 1-L F-HDPE and three years in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.				<p>The HDPE/PA and F-HDPE container showed no indications of significant weight loss or physical deterioration that would interfere with the safe handling of the product.</p> <p>No toxicologically, ecotoxicologically or environmentally relevant impurities are formed upon storage, evaluation of this parameter after storage is not necessary.</p> <p>Period of validity: 3 years.</p>
Results Summary																																																														
Test	Method Reference	Findings																																																												
Active Ingredient Content	DAS-AM-G-161106	Fenpicoxamid content changed > 5% from time zero analysis after thirty months and three years of lab ambient storage in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE, with exception of the 1-L COEX after 30 months of lab ambient storage which did not change greater than 5%.																																																												
Degradant Content	DAS-AM-G-180924	Potential fenpicoxamid degradants X12335723, X12314005, X12019520, and X12393285 were quantitated and an acceptable total mass balance (between 98% and 102%) was demonstrated after thirty months of lab ambient storage in 1-L COEX and 1-L F-HDPE. Potential fenpicoxamid degradants X12314005, X12019520, and X12393285 were quantitated with exception of X12335723 (qualitative result) and an acceptable total mass balance (between 98% and 102%) was demonstrated after three years of lab ambient storage in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.																																																												
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Appearance	N/A	Product showed no significant physical changes after lab ambient storage for thirty months in 1-L COEX and 1-L F-HDPE and three years in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.																																																												
Packaging Assessment	N/A	The 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE bottles showed no indications of significant weight loss or physical deterioration that would interfere with the safe handling of the product after thirty months and three years of lab ambient storage.																																																												
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Persistent Foam	CIPAC MT 47.2	Results were < 60 mL foam after 1 minute at 2.0% v/v GF-3308 after lab ambient storage for thirty months in 1-L COEX and 1-L F-HDPE and three years in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.																																																												
Emulsion Stability & Re-Emulsification	CIPAC MT 36.3	Results were no cream after 30 minutes and no oil were observed at 0.4% v/v, 0.67% v/v, and 2.0% v/v GF-3308 in standard water A and D after lab ambient storage for thirty months in 1-L COEX and 1-L F-HDPE and three years in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE.																																																												
Shelf life in months (if less than 2 years) (KCP 2.7.6)	-	-	-	-	Not Relevant	-																																																								
Wettability	-	-	Not required for EC formulations	-	Not Relevant	-																																																								

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
(KCP 2.8.1)						
Persistence of foaming (KCP 2.8.2)	CIPAC MT 47.2	TSN312985 5.1 % wt Fenpicoxamid	2 Years at ambient in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE: All foam measurements were within acceptable limits ( $\leq 60$ mL foam in Standard water D).	Y	FOR-161195.02, xxx	Accepted.
Suspensibility (KCP 2.8.3.1)	-	-	Not required for EC formulations	-	Not Relevant	-
Spontaneity of dispersion (KCP 2.8.3.2)	-	-	Not required for EC formulations	-	Not Relevant	-
Dispersion stability (KCP 2.8.3.3)	-	-	Not required for EC formulations	-	Not Relevant	-
Degree of dissolution and dilution stability (KCP 2.8.4)	-	-	Not required for EC formulations	-	Not Relevant	-
Particle size distribution / nominal size range of granules (KCP 2.8.5.1.1)	-	-	Not required for EC formulations	-	Not Relevant	-
Wet sieve test (KCP 2.8.5.1.2)	-	-	Not required for EC formulations	-	Not Relevant	-
Dust content (KCP 2.8.5.2.1)	-	-	Not required for EC formulations	-	Not Relevant	-
Particle size of dust (KCP 2.8.5.2.2)	-	-	Not required for EC formulations	-	Not Relevant	-
Attrition (KCP 2.8.5.3)	-	-	Not required for EC formulations	-	Not Relevant	-
Hardness and	-		Not required for EC formulations	-	Not Relevant	-

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
integrity (KCP 2.8.5.4)						
Emulsifiability (KCP 2.8.6.1)	CIPAC MT 36.3	TSN312985 5.1 % wt Fenpicoxamid	Refer to 2.8.6.2.	Y	FOR-161195.02, xxx	Refer to 2.8.6.2
Emulsion stability (KCP 2.8.6.2)	CIPAC MT 36.3	TSN312985 5.1 % wt Fenpicoxamid	2 Years at ambient in 1-L COEX, 1-L F-HDPE, and 20-L F-HDPE (0.4% v/v and 2.0% v/v use rates): All emulsion measurements were within acceptable limits ( $\leq 2$ mL cream after 30 minutes and no oil in Standard waters A and D).	Y	FOR-161195.02, xxxx	Accepted.
Re-emulsifiability (KCP 2.8.6.3)	CIPAC MT 36.3	TSN312985 5.1 % wt Fenpicoxamid	Refer to 2.8.6.2	Y	FOR-161195.02, xxx	Refer to 2.8.6.2
Flowability (KCP 2.8.7.1)	-	-	Not required for EC formulations	-	Not Relevant	-
Pourability (KCP 2.8.7.2)	-	-	Not required for EC formulations	-	Not Relevant	-
Dustability following accelerated storage (KCP 2.8.7.3)	-	-	Not required for EC formulations	-	Not Relevant	-
Physical compatibility of tank mixes (KCP 2.9.1)	-	-	Not required for EC formulations	-	Not Relevant	-
Chemical compatibility of tank mixes (KCP 2.9.2)	-	-	Not required for EC formulations	-	Not Relevant	-
Adhesion to seeds (KCP 2.10.1)	-	-	Not required for EC formulations	-	Not Relevant	-
Distribution to seed (KCP 2.10.2)	-	-	Not required for EC formulations	-	Not Relevant	-

Annex point	Method used / deviations	Test material	Findings						GLP Y/N	Reference	Acceptability / comments
Other/special studies (KCP 2.11)	Amega Sciences methods	GF-3308	A single rinse with water at an amount of 10% of the spray tank volume GF-3308 can be removed by 99.9% from sprayer surfaces which is considered an excellent result.						-	LES 10126, Topham, D,	Accepted. The cleaning procedure is efficient.
			Fungicide Formulation	Active Concentration (total) (ppm)/Part (mg) in test tank	Parts (mg) retained without washing	% removed without cleaning	Parts (mg) retained after washing with 10% tank volume water	% Removed after 10% tank volume water used to wash			
			GF-2925	650ppm/97.5mg	0.1703	99.8253	0.0534	99.9452			
			GF-3307	1500ppm/225mg	0.0628	99.9720	0.0086	99.9691			
			GF-3308	500ppm/75mg	0.0724	99.9903	0.0277	99.9630			
			GF-3309	1125ppm/168.75mg	0.0596	99.9646	0.0134	99.9920			
			GF-3521	1000ppm/150mg	0.0615	99.9590	0.0148	99.9901			

### 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)

Comments of zRMS:	The packaging materials HDPE/PA and F-HDPE tested in the 2 and 3-years storage stability studies have been approved and are suitable for the storage of the plant protection product.
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**Table 4.1-1: Packaging information for 0.25 – 20 liter F-HDPE bottle/jerrican**

Type	Description
Material:	F-HDPE
Shape/size:	Bottles/Jerrican for 0.25 litre, 0.5 litre, 1 litre, 2 litre, 3 litre, 5 litre, 7.5 litre, 10 litre, 15 litre, 20 litre. 0.25 litre bottles may or may not be packed 20 x 0.25 litre to an outer corrugated fibreboard case. 0.5 litre bottles, may or may not be, packed 20 x 0.5 litre to an outer corrugated fibreboard case. 1 litre bottles, may or may not be, packed 10 x 1 litre or 12 x 1 litre to an outer corrugated fibreboard case. 2 litre bottles, may or may not be, packed 8 x 2 litre to an outer corrugated fibreboard case. 3 litre bottles, may or may not be, packed 6 x 3 litre to an outer corrugated fibreboard case. 5 litre bottles, may or may not be, packed 2 x 5 litre, 3 x 5 litre or 4 x 5 litre to an outer corrugated fibreboard case 7.5 litre bottles, may or may not be, packed 2 x 7.5 litre to an outer corrugated fibreboard case 10 litre jerrican may or may not be, packed 2 x 10 litre to an outer corrugated fibreboard case. 15 litre jerrican, may or may not be, packed 2x15litre to an outer corrugated fibreboard case 20 litre jerrican may or may not be packed to an outer corrugated fibreboard case.
Opening:	28, 45, 50, 60, 61, 63 inner diameter
Closure:	Screw cap 28mm – for 1L bottles 45mm – from 0.25L up to 2L bottles 50mm – from 0.25L up to 2L bottles 60mm – for 15L and 20L jerricans 61mm – for 15L and 20L jerricans 63mm – for 3L, 5L, 7.5L, 10L, 15L and 20L bottles/jerricans
Seal:	Induction, compression or vented
Manner of construction	Extruded
UN/ADR	Compliant
Refillable or returnable	No

**Table 4.1-2: Packaging information for 0.1 – 15 liter COEX HDPE/PA bottle/jerrican**

Type	Description
Material:	COEX HDPE/PA (external material HDPE / inner barrier Polyamide)
Shape/size:	Bottles/Jerrican for 0.1 litre, 0.5 litre, 1 litre, 2 litre, 3 litre, 5 litre, 5.2 litre, 6.2 litre, 7 litre, 7.5 litre, 10 litre, 15 litre. 0.1 litre bottles may or may not be packed 30 x 0.1 litre to an outer corrugated fibreboard case. 0.5 litre bottles, may or may not be, packed 10 x 0.5 litre or 20 x 0.5 litre to an outer corrugated fibreboard case. 1 litre bottles, may or may not be, packed 10 x 1 litre to an outer corrugated fibreboard case. 2 litre bottles, may or may not be, packed 8 x 2 litre to an outer corrugated fibreboard case. 3 litre bottles, may or may not be, packed 6 x 3 litre to an outer corrugated fibreboard case. 5 litre bottles, may or may not be, packed 2 x 5 litre, 3 x 5 litre or 4 x 5 litre to an outer corrugated fibreboard case. 5.2 litre bottles may or may not be packed to an outer corrugated fibreboard case. 6.2 litre bottles may or may not be packed to an outer corrugated fibreboard case. 7 litre bottles may or may not be packed to an outer corrugated fibreboard case.

Type	Description
	7.5 litre bottles, may or may not be, packed 2 x 7.5 litre to an outer corrugated fibreboard case 10 litre jerrican, may or may not be, packed 2x10 litre to an outer corrugated fibreboard case. 15 litre jerrican, may or may not be, packed 2x15 litre to an outer corrugated fibreboard case. 20 litre jerrican may or may not be packed to an outer corrugated fibreboard case.
Opening:	28, 45, 50, 60 and 63 mm inner diameter
Closure:	28mm – from 0.05L up to 0.25L bottles 45mm – from 0.25L up to 2L bottles 50mm – from 0.25L up to 2L bottles 60mm – for 15L and 20L jerricans 63mm – for 3L, 5L, 5.2L, 6.2L, 7L, 7.5L, 10L, 15L and 20L bottles/jerricans
Seal:	Induction, compression or vented
Manner of construction	Co-extruded
UN/ADR	Compliant
Refillable or returnable	No

The packaging complies with ADR regulations, as it has been tested using the ADR test methods appropriate to the pack type, material and classification of the contents. An appropriate UN certificate has been issued.

A 3-year storage stability at ambient temperatures have been performed with GF-3308. Fenpicoxamid showed degradation > 5% in 1-L COEX and 1-L F-HDPE, and 20-L F-HDPE bottles through three years warehouse ambient storage. However, the breakdown products (X12019520, X12393285, X12335723, and X12314005) were quantitated and acceptable mass balance was demonstrated. The packaging showed no significant physical changes and all performance properties were within acceptable limits. GF-3308 is chemically and physically compatible with COEX and F-HDPE after three years of ambient storage (Study FOR-161195, Stoltz, V.).

Results on 1-L COEX and 1-L F-HDPE, and 20-L F-HDPE bottles cover all the supported packing described above.

#### **4.2 Recommended methods and precautions (KCP 4.2)**

Please refer to the safety data sheet for GF-3308 (KCP 4/01).

Efficacy of tank cleaning is summarized under KCP 2.11 (LES 10126, Topham, D.)

#### **4.3 Emergency measures in the case of an accident (KCP 4.3)**

Please refer to the safety data sheet for GF-3308 (KCP 4/01).

#### **4.4 Procedures for destruction or decontamination of the ppp and its packaging (KCP 4.5)**

Please refer to the safety data sheet for GF-3308 (KCP 4/01).

## Appendix 1 Lists of data considered in support of the evaluation

### 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 2.3.1 KCP 2.4.2 KCP 2.5.1 KCP 2.6.1	Jones, J.	2017	Determination of Color, Physical State, Odor, Oxidizing and Reducing Action, Flammability, pH, Viscosity, and Density of GF-3308, an End Use Product Containing Fenpicoxamid FAPC-G-161128 Dow AgroSciences LLC GLP Unpublished	N	DAS/Corteva Agriscience
KCP 2.2.1 KCP 2.2.2 KCP 2.3.3 KCP 2.5.2	Dunning, J.	2017	Determination of Surface Tension, Explosive Properties, Auto-Ignition Temperature (liquids and gases), Oxidising Properties (liquids) and Kinematic Viscosity of GF-3308 NAFST-161215 Envigo CRS Ltd. GLP Unpublished	N	DAS/Corteva Agriscience
KCP 2.4.1 KCP 2.7.1 KCP 2.7.4	Tidwell, H.	2017	GF-3308 Two Week 54°C Accelerated Storage Stability and One Week 0°C Low Temperature Stability FOR-161192 Dow AgroSciences LLC GLP Unpublished	N	DAS/Corteva Agriscience
KCP 4	Dow AgroSciences	2018	Safety data sheet GF-3308 Dow AgroSciences nonGLP Unpublished	N	DAS/Corteva Agriscience
KCP 2.7.5	xxx.	2019	Two Year Ambient Storage Stability of GF-3308 in PET and F-HDPE FOR-161195.02 Dow AgroSciences LLC GLP Unpublished	Y	DAS/Corteva Agriscience
KCP 2.7.5	Stoltz, V.	2020	Three Year Ambient Storage Stability of GF-3308 in PET and F-HDPE FOR-161195 Dow AgroSciences LLC GLP Unpublished	N	DAS/Corteva Agriscience

<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>
KCP 2.7.2 KCP 2.8.2 KCP 2.8.6.2	Tidwell, H.	2017	GF-3308 Eight Week 40°C Accelerated Storage Stability in F-HDPE and COEX FOR-161212 Dow AgroSciences LLC GLP Unpublished	N	DAS/Corteva Agriscience
KCP 2.11	Topham, D.	2018	Dow AgroSciences Clean Out Report for Fungicides: GF-2925, GF-3307, GF-3308, GF-3309, GF-3312 LES 10126 Amega Sciences nonGLP Unpublished	N	DAS/Corteva Agriscience

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

<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>
CA 2.1/1 CA 2.3/1	Moe TE	2012a	Determination of Color, Physical State, Odor, Melting Point and Decomposition Temperature of XDE-777 Pure Active Ingredient Dow AgroSciences LLC DAS Report No.: FAPC-G-12-29 GLP Not Published	N	DAS/Corteva Agriscience
CA 2.2/1	Comb AL	2012a	Determination of Vapour Pressure of XDE-777 Huntingdon Life Sciences Ltd. DAS Report No.: NAFST-12-114 GLP Not Published	N	DAS/Corteva Agriscience
CA 2.2/2	Frank A	2013	Calculation of the Henrys Law Constants for XDE-777 from Unbuffered and pH 5, 7, and 9 Buffered Water DATA GUIDELINE European Regulation (EC) No 11072009, OECD Point 2.3.2 Dow AgroSciences LLC DAS Report No.: NAFST-12-227 Non GLP	N	DAS/Corteva Agriscience

<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>
			Not Published		
CA 2.3/2	Moe TE	2012b	Determination of Color, Odor, Physical State, Oxidizing and Reducing Action, Explodability, pH and Bulk Density of XDE-777 Technical Grade Active Ingredient Dow AgroSciences LLC DAS Report No.: FAPC-G-12-30 GLP Not Published	N	DAS/Corteva Agriscience
CA 2.3/3	Moe TE	2012c	Determination of Color, Odor, Physical State, Oxidizing and Reducing Action, Explodability, pH and Bulk Density of XDE-777 Technical Grade Active Ingredient Dow AgroSciences LLC DAS Report No.: FAPC-G-12-31 GLP Not Published	N	DAS/Corteva Agriscience
CA 2.4/1	Elliott T	2014	X772777: Determination of Spectral Characteristics (UVVisible Absorption and Molar Absorptivities, Mass Spectrum, Infrared Spectrum, and NMR) (Revision) ABC Laboratories, Inc. DAS Report No.: NAFST-12-223 GLP Not Published	N	DAS/Corteva Agriscience
CA 2.5/1	Comb AL	2012b	Determination of Water Solubility for XDE-777 Huntingdon Life Sciences Ltd. DAS Report No.: NAFST-12-110 GLP Not Published	N	DAS/Corteva Agriscience
CA 2.6/1	Comb AL	2012c	Determination of Organic Solvent Solubility for XDE-777 TGA Huntingdon Life Sciences Ltd. DAS Report No.: NAFST-11-352 GLP Not Published	N	DAS/Corteva Agriscience
CA 2.6/2	Comb AL	2012d	Determination of Organic Solvent Solubility for XDE-777 TGA Huntingdon Life Sciences Ltd. DAS Report No.: NAFST-12-137 GLP Not Published	N	DAS/Corteva Agriscience

<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>
CA 2.7/1	Comb AL	2012e	Determination of Octanol/Water Partition Coefficient for XDE-777 by Shake Flask Method Huntingdon Life Sciences Ltd. DAS Report No.: NAFST-12-111 GLP Not Published	N	DAS/Corteva Agriscience
CA 2.8/1	Comb AL	2012f	Determination of Dissociation Constant of XDE-777 Huntingdon Life Sciences Ltd. DAS Report No.: NAFST-12-112 GLP Not Published	N	DAS/Corteva Agriscience
CA 2.9/1 CA 2.11/1 CA 2.12/1 CA 2.13/1	Comb AL	2012g	Determination of Surface Tension, Flammability (solids), Explosive Properties, Relative Self-Ignition Temperature for Solids and Oxidising Properties for XDE-777 TGAI Huntingdon Life Sciences Ltd. DAS Report No.: NAFST-11-351 GLP Not Published	N	DAS/Corteva Agriscience
CA 2.9/2 CA 2.11/2 CA 2.12/2 CA 2.13/2	Comb AL	2012h	Determination of Surface Tension, Flammability (solids), Explosive Properties, Relative Self-Ignition Temperature for Solids and Oxidising Properties for XDE-777 TGAI Huntingdon Life Sciences Ltd. DAS Report No.: NAFST-12-136 GLP Not Published	N	DAS/Corteva Agriscience
CA 2.14/1	Comb AL	2012i	Determination of Relative Density of XDE-777 Huntingdon Life Sciences Ltd. DAS Report No.: NAFST-12-113 GLP Not Published	N	DAS/Corteva Agriscience
CA 2.14/2	Xiong Q Lewer P Graupner PG Frank A Pearson DL	2013	Determination of the Absolute Configuration of XDE-777 Using Vibrational Circular Dichroism (VCO) DAS Report No.: DAI 1277 GLP Not Published	N	DAS/Corteva Agriscience
CP 2.1/1 CP 2.3/1	Moe TE	2012	Determination of Color, Odor, Physical State, Oxidizing and Reducing Action, Flashpoint, Explodability, pH, Viscosity, and Density of GF-2925, an End Use Product Containing XDE-777	N	DAS/Corteva Agriscience

<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>
CP 2.4/1 CP 2.5/1 CP 2.6/1			Dow AgroSciences LLC DAS Report No.: FAPC-G-12-52 GLP Not Published		
CP 2.2/1 CP 2.3/2 CP 2.5/2	Comb AL	2012	Determination of Surface Tension, Explosive Properties, Auto-Ignition Temperature (liquids and gases) and Oxidising Properties (liquids) of GF-2925 Huntingdon Life Sciences Ltd. DAS Report No.: NAFST-12-228 GLP Not Published	N	DAS/Corteva Agriscience
CP 2.7/1	Hofer C	2012a	GF-2925 Two Week 54°C Accelerated Storage Stability and One Week 0°C in Glass Dow AgroSciences LLC DAS Report No.: FOR-12-12 GLP Not Published	N	DAS/Corteva Agriscience
CP 2.7/2 CP 2.7.2/1 CP 2.7.3/1 CP 2.7.4.1/1 CP 2.7.7/1	Hofer C	2012b	GF-2925 Accelerated Storage Stability; Eight Week 40°C in PET and HDPE Dow AgroSciences LLC DAS Report No.: FOR-12-13 GLP Not Published	N	DAS/Corteva Agriscience
CP 2.7/3	Hofer C	2014	Three Year Ambient Storage Stability of GF-2925 in PET and HDPE; Two Year Ambient Interim Report Dow AgroSciences LLC DAS Report No.: FOR-12-14 GLP Not Published	N	DAS/Corteva Agriscience

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

<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>
-	-	-	-	-	-