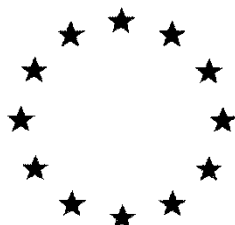


European Commission



Renewal Assessment Report
prepared according to Regulation (EC) N° 1107/2009

Aluminium Silicate Calcined
(Kaolin Calcined)

SURROUND® WP CROP PROTECTANT
TESSENDERLO

Volume 3 (CP)-B2

Rapporteur Member State: GREECE
Co-Rapporteur Member State: FRANCE

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Version history

When	What
March 2008	Monograph, Aluminium Silicate, Vol 3 Annex B, Rapporteur Member State: Hungary
May 2011	Final addendum to the Draft Assessment Report (DAR) Aluminium Silicate, Rapporteur Member State: Hungary
May 2020	draft Renewal Assessment report (dRAR) – prepared by RMS EL in the context of the application for renewal of approval of the a.s. according to Reg (EU) No 1107/2009. New data/information submitted/reported for the purpose of renewal are in yellow shading.

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B.2 Physical and chemical properties

SURROUND® WP CROP PROTECTANT was the representative formulation in the DAR (2008, 2011) for the Annex I inclusion of a.s. aluminium silicate. The composition of SURROUND® WP CROP PROTECTANT has remained identical since the original notification of the active substance and product.

All tests provided herewith have been performed in GLP-certified laboratories. Test results that were included in the dossier submitted for initial inclusion are presented without shading. All new data is presented in yellow shading.

The technical properties of Surround® WP Crop Protectant, containing 95% kaolin active ingredient, indicate that no particular problems are to be expected when it is used according to recommended use instructions. It is a wettable powder and is not corrosive, explosive, oxidizing or flammable. Storage under normal warehouse conditions in the original packaging is recommended – experience with similar products indicates a minimum shelf life of 3 years.

Treatment dilution: from 10 kg/ 500 L to 50 kg/1000 L depending on the crop and the crop stage (lower dilution volume for less developed crops).
Do not spray at concentration > 50 g/L

Recommendation: The spray solution should be under continuous agitation

Test or study & Data point	Guideline and method	Test material purity and specification	Findings	Conclusion/ Comment	GLP Y/N	Reference
CP 2.1 Appearance						
Appearance	Visual inspection	SURROUND® WP CROP PROTECTANT Lot n° AL060727	White powder No odour	Acceptable	Y	Norris D, 2006 Report number DNA0080

Test or study & Data point	Guideline and method	Test material purity and specification	Findings	Conclusion/ Comment	GLP Y/N	Reference
	Visual inspection	SURROUND® WP CROP PROTECTANT batch n°AL101025	White powder	Acceptable	Y	Miller R, 2012
CP 2.2 Explosive and oxidising properties						
Explosive properties	EEC A14	SURROUND® WP CROP PROTECTANT	SURROUND® WP CROP PROTECTANT contains 95% kaolin powder. Kaolin powder is inert and therefore not explosive	DAR: Theoretical screening exercise	N	Bosc- Guillosso L Report number SWP002
Oxidizing properties	EEC A17	SURROUND® WP CROP PROTECTANT	SURROUND® WP CROP PROTECTANT contains 95% kaolin powder. Kaolin powder is inert and therefore not oxidizing	DAR: Theoretical screening exercise	N	Bosc- Guillosso L Report number SWP004

Test or study & Data point	Guideline and method	Test material purity and specification	Findings	Conclusion/ Comment	GLP Y/N	Reference
Explosive properties	Appendix 6 UN RTDG MTC	SURROUND® WP CROP PROTECTANT	<p>SURROUND® WP CROP PROTECTANT, containing 950 g/kg of calcined aluminium silicate (calcined kaolin) is a non-explosive compound. As such it will not represent a risk for explosion.</p> <p>In addition Considering that:</p> <ul style="list-style-type: none"> • The product contains 95% of calcined kaolin, a natural mineral known for a stability in the environment that is measured in millions of years, • The active substance is calcined at above 1000°C prior to be used for product manufacture, • The product has been tested by Thermal Gravimetric analysis at 1000°C without undergoing any chemical transformation (KCP 5.1.1/01 and KCP 5.1.1/02) • Co-formulants represent 5 % of the product (50 g/kg), of which over 4% (40 g/kg) are inert in all meanings of the term. <p>further testing of the explosivity and oxidizing properties of the representative product is unnecessary and scientifically unjustified.</p>	<p>Acceptable</p> <p>(Please also refer to Vol 4, Tessenderlo C.1.3.2)</p>	N	Guillosson 2019 Report n° TKIKAO-2019-7

Test or study & Data point	Guideline and method	Test material purity and specification	Findings	Conclusion/ Comment	GLP Y/N	Reference
Oxidizing properties	Appendix 6 UN RTDG MTC	SURROUND® WP CROP PROTECTANT	<p>SURROUND® WP CROP PROTECTANT is non-oxidising. As such it will not represent a risk for enhancing fire propagation.</p> <p>In addition Considering that:</p> <ul style="list-style-type: none"> The product contains 95% of calcined kaolin, a natural mineral known for a stability in the environment that is measured in millions of years, The active substance is calcined at above 1000°C prior to be used for product manufacture, The product has been tested by Thermal Gravimetric analysis at 1000°C without undergoing any chemical transformation (KCP 5.1.1/01 and KCP 5.1.1/02) Co-formulants represent 5 % of the product (50 g/kg), of which over 4% (40 g/kg) are inert in all meanings of the term. <p>further testing of the explosivity and oxidizing properties of the representative product is unnecessary and scientifically unjustified.</p>	<p>Acceptable</p> <p>(Please also refer to Vol 4, Tessenderlo C.1.3.2)</p>	N	Guillosson 2019 Report n° TKIKAO-2019-8
CP 2.3 Flammability and self-heating						
Flammability	Not available	SURROUND® WP CROP PROTECTANT	SURROUND® WP CROP PROTECTANT contains 95% kaolin powder. Kaolin powder is inert and has no flammability properties	DAR: -	N	SURROUND® WP CROP PROTECTANT MSDS

Test or study & Data point	Guideline and method	Test material purity and specification	Findings	Conclusion/ Comment	GLP Y/N	Reference
Self-Heating	Not available	SURROUND® WP CROP PROTECTANT	SURROUND® WP CROP PROTECTANT contains 95% kaolin powder. Kaolin powder is inert and has no auto-flammability properties	DAR: -	N	SURROUND® WP CROP PROTECTANT MSDS
Flammability	Appendix 6 UN RTDG MTC	SURROUND® WP CROP PROTECTANT	<p>SURROUND® WP CROP PROTECTANT is not a flammable solid. As such it will not represent a risk of ignition by brief contact with an ignition source.</p> <p>Considering that:</p> <ul style="list-style-type: none"> The product contains 95% of calcined kaolin, a natural mineral known for a stability in the environment that is measured in millions of years, The active substance is calcined at above 1000°C prior to be used for product manufacture, The product has been tested by Thermal Gravimetric analysis at 1000°C without undergoing any chemical transformation (KCP 5.1.1/01 and KCP 5.1.1/02) Co-formulants represent 5 % of the product (50 g/kg), of which over 4% (40 g/kg) are inert in all meanings of the term <p>further testing of the flammability and self-heating properties of the representative product is unnecessary and scientifically unjustified.</p>	<p>Acceptable</p> <p>(Please also refer to Vol 4, Tessenderlo C.1.3.2)</p>	N	Guillosson 2019 Report n° TKIKAO-2019-5

Test or study & Data point	Guideline and method	Test material purity and specification	Findings	Conclusion/ Comment	GLP Y/N	Reference
Self-Heating	Appendix 6 UN RTDG MTC	SURROUND® WP CROP PROTECTANT	<p>SURROUND® WP CROP PROTECTANT is not self-heating. As such calcined aluminium silicate (calcined kaolin), which represents 95% of the formulated product, is not liable to self-heat by reaction with air, with or without energy supply.</p> <p>Considering that:</p> <ul style="list-style-type: none"> The product contains 95% of calcined kaolin, a natural mineral known for a stability in the environment that is measured in millions of years, The active substance is calcined at above 1000°C prior to be used for product manufacture, The product has been tested by Thermal Gravimetric analysis at 1000°C without undergoing any chemical transformation (KCP 5.1.1/01 and KCP 5.1.1/02) Co-formulants represent 5 % of the product (50 g/kg), of which over 4% (40 g/kg) are inert in all meanings of the term <p>further testing of the flammability and self-heating properties of the representative product is unnecessary and scientifically unjustified.</p>	According to Reg 284/2013 the self-heating shall be determined and reported.	N	Guillosson 2019 Report n° TKIKAO-2019-6
CP 2.4 Acidity/alkalinity and pH value						
Acidity/alkalinity			Not applicable. The pH of product is between 4 and 10 and therefore acidity/alkalinity testing is not required.			

Test or study & Data point	Guideline and method	Test material purity and specification	Findings	Conclusion/ Comment	GLP Y/N	Reference
pH of a 1% dilution, emulsion or suspension	OCSPP Guideline 830.7000 CIPAC MT 75	SURROUND® WP CROP PROTECTANT batch n°AL101025	pH of a 1% dilution, emulsion or dispersion = 5.35	Acceptable	Y	Miller R, 2012 Report number ARC-EX-848-012-P-1
CP 2.5 Viscosity and surface tension						
Viscosity			Not applicable, product is not a liquid preparation or a liquid preparation for ULV use			
Surface tension			Not applicable, product is not a liquid preparation.			
CP 2.6 Relative density and bulk density						
Relative density			Not applicable, product is not a liquid preparation			
Bulk density	OCSPP Guideline 830.7300 CIPAC Method MT 33	SURROUND® WP CROP PROTECTANT batch n°AL101025	The packed bulk tap density of kaolin is 0.32 g/cm ³ .	Acceptable	Y	Miller R, 2012 Report number ARC-EX-848-012-P-1
CP 2.7 Storage Stability and shelf-life: effects of temperature on technical characteristics of the plant protection product						
Storage Stability after 14 days at 54°C	CIPAC MT 46	SURROUND® WP CROP	Before storage	After storage	Acceptable Packaging	Y
			White powder	White powder		
						Norris D, 2006 Report number

Test or study & Data point	Guideline and method	Test material purity and specification	Findings		Conclusion/ Comment	GLP Y/N	Reference
		PROTECTANT Lot n° AL060727	No odour Suspensibility: 62.16% at 3% suspension 84.83% at 6% suspension Wet sieve test: mean 0.215% Wettability: 3 seconds Persistent foaming (mean): Initial 5 ml 10 sec 5 ml 1 min 5 ml 3 min 4 ml 12 min 4 ml	No odour Suspensibility: 66.02% at 3% suspension 88.65% at 6% suspension Wet sieve test: mean 0.325% Wettability: 2 seconds Persistent foaming: Initial 5 ml 10 sec 5 ml 1 min 5 ml 3 min 4 ml 12 min 4 ml	material: HDPE bottles with white, plastic screw top lids		DNA0080

Test or study & Data point	Guideline and method	Test material purity and specification	Findings			Conclusion/ Comment	GLP Y/N	Reference
Storage Stability after 14 days at 54°C	CIPAC MT 46	SURROUND® WP CROP PROTECTANT batch n°AL161221	<p>Before storage</p> <p>15.21% at 1% suspension (= 10 g in 1000 ml = 1 kg fp/hL, low concentration)</p> <p>90.10% at 5% suspension (= 50.0g in 1000 ml = 5 kg fp/hL, high concentration)</p> <p>Wet sieve test: mean 0.066% (75µm sieve)</p> <p>After storage</p> <p>Suspensibility:</p> <p>9.33% at 1% suspension</p> <p>90.25% at 5% suspension</p> <p>Wet sieve test: mean 0.100% (75µm sieve)</p>			Acceptable	Y	Norris D, 2017 Report number DNA3876
Effect of low temperatures on stability			Not applicable. Product is not a liquid formulation.					
Shelf life	GIFAP Monograph 17	SURROUND® WP CROP PROTECTANT batch n°AL101025	Appearance	Initial	24 months	Acceptable Packaging material: White paper bag Recommendation: The spray solution should be	Y	Miller R, 2012 Report number ARC-EX-848-012-P-1
			Odour	White powder	White powder			
			pH	No odour	No odour			
			Wettability (static)	5.35	5.64			
			Particle size distribution	12 sec	12 sec			
			Insolubles	0.765-8.48 µm	0.88-10.6 µm			
			Suspensibility	99.52%	99.45%			
				82.8 %	78.7 %			

Test or study & Data point	Guideline and method	Test material purity and specification	Findings			Conclusion/ Comment	GLP Y/N	Reference
			(High concentration at 50 g/L = 5 kg fp/hL)			under continuous agitation		
			Suspensibility (Low concentration at 20 g/L = 2 kg fp/hL)	39.9 %	46.3 %			
			Non-dispersible residue (Wet sieve test CIPAC MT 59.3)	0.006%	0.164%			
			Persistent foaming after 1min (2 g in 150 ml = 1.3 kg fp/hL)	6 ml	4 ml			
			All containers (white paper bags) remained in good conditions (no discoloration or loss of integrity) throughout the entire study. SURROUND WP CROP PROTECTANT will not spontaneously suspend in water and agitation of the spraying tank is required throughout spraying.					
Shelf life	GIFAP Monograph 17 Wet sieve CIPAC MT 185 Suspensibility Gravimetric CIPAC MT 184	SURROUND® WP CROP PROTECTANT batch n°AL161221		Initial	24 months	Recommendation: The spray solution should be under continuous agitation	Y	Norris D, 2019 Report number DNA3877 & Norris D, 2017 Report number DNA3876
			Suspensibility 1% suspension 5% suspension	9.33 % 90.25 %	16.78 % 90.32 %			
			Wet sieve test	0.100%	0.109%			
			SURROUND WP CROP PROTECTANT will not spontaneously suspend in water and agitation of the spraying tank is required throughout spraying.					

Test or study & Data point	Guideline and method	Test material purity and specification	Findings	Conclusion/ Comment	GLP Y/N	Reference
CP 2.8 Technical characteristics of the plant protection product						
CP 2.8.1 Wettability	CIPAC MT 53.3	SURROUND® WP CROP PROTECTANT Lot n° AL060727	3 seconds (without swirling)	Acceptable	Y	Norris D, 2006 Report number DNA0080
	CIPAC MT 53.3	SURROUND® WP CROP PROTECTANT batch n°AL101025	12 seconds (static - with swirling) 5 seconds (without swirling)	Acceptable	Y	Miller R, 2012 Report number ARC-EX-848- 012-P-1
CP 2.8.2 Persistence of foaming	CIPAC MT 47.2	SURROUND® WP CROP PROTECTANT	CIPAC water D – Concentration : 6.0g/100mL Initial 5 ml 10 sec 5 ml 1 min 5 ml 3 min 3.5 ml 12 min 3.5 ml	Acceptable	Y	Norris D, 2006 Report number DNA0080
CP 2.8.3 Suspensibility, spontaneity and dispersion stability						
Suspensibility	CIPAC MT 15.1	SURROUND® WP CROP PROTECTANT	62.16% at 3% suspension (= 7.5g in 250 ml = 3 kg fp/hL, low concentration) 84.83% (±2.2%) at 6% suspension (= 15.0g in 250 ml = 6 kg fp/hL, high concentration)	Acceptable	Y	Norris D, 2006 Report number DNA0080

Test or study & Data point	Guideline and method	Test material purity and specification	Findings	Conclusion/ Comment	GLP Y/N	Reference
Suspensibility	CIPAC MT 15.1	SURROUND® WP CROP PROTECTANT batch n°AL101025	39.9 % at 20 g/L (= 2 kg fp/hL, low concentration) 82.8 % at 50 g/L (= 5 kg fp/hL, high concentration)	Acceptable Recommendation: The spray solution should be under continuous agitation	Y	Miller R, 2012 Report number ARC-EX-848-012-P-1
Suspensibility	CIPAC MT 184	SURROUND® WP CROP PROTECTANT batch n°AL161221	CIPAC WATER D 15.21% at 1% suspension (= 10 g in 1000 ml = 1 kg fp/hL, low concentration) 90.10% at 5% suspension (= 50.0g in 1000 ml = 5 kg fp/hL, high concentration)	Acceptable Recommendation: The spray solution should be under continuous agitation	Y	Norris D, 2017 Report number DNA3876
Spontaneity of dispersion	Not available	SURROUND® WP CROP PROTECTANT	SURROUND® WP CROP PROTECTANT will spontaneously disperse in water due both to the nature of kaolin and the presence of adjuvants	DAR: -	N	None available
Dispersion stability			Not applicable. The product is not an aqueous suspo-emulsion (SE), oil-based suspension concentrates (OD) or emulsifiable granules (EG)			

Test or study & Data point	Guideline and method	Test material purity and specification	Findings	Conclusion/ Comment	GLP Y/N	Reference
CP 2.8.4 Degree of dissolution and dilution stability			Not applicable. The product is not a soluble powder.			

Test or study & Data point	Guideline and method	Test material purity and specification	Findings			Conclusion/ Comment	GLP Y/N	Reference
CP 2.8.5.1 Particle size distribution	Not available	SURROUND® WP CROP PROTECTANT batch n°AL101025		Initial	24 months	Acceptable It is noted that 10% of the ppp material is ≤ 0.765 µm (765 nm) but no information exists on the presence of particles of size ≤ 100 nm. Data requirement on nanoparticles: Based on co- RMS FR comment on the existence or not of nanoparticles, information on the content of particle size ≤ 100 nm is required.	Y	Miller R, 2012 Report number ARC-EX-848- 012-P-1
			10 percentile	0.765 µm	0.885 µm			
			20 percentile	1.183 µm	1.374 µm			
			30 percentile	1.588 µm	1.786 µm			
			40 percentile	1.977 µm	2.179 µm			
			50 percentile	2.396 µm	2.611 µm			
			60 percentile	2.902 µm	3.13 µm			
			70 percentile	3.56 µm	3.85 µm			
			80 percentile	4.53 µm	4.96 µm			
			90 percentile	6.34 µm	7.34 µm			
			95 percentile	8.48 µm	10.6 µm			

Test or study & Data point	Guideline and method	Test material purity and specification	Findings	Conclusion/ Comment	GLP Y/N	Reference
	CIPAC MT 185	SURROUND® WP CROP PROTECTANT batch n°AL161221	Mean sieve residue of 0.1089% on a 75 µm sieve. > 99.89 % of particles are < 75 µm in size.	Acceptable	Y	Norris D, 2019 Report number DNA3877
CP 2.8.5.2 Dust content			Not applicable. The product is not a granule.			
CP 2.8.5.3 Attrition			Not applicable. The product is not a granule.			
CP 2.8.5.4 Hardness and integrity			Not applicable. The product is not a tablet.			
CP 2.8.6 Emulsifiability, re-emulsifiability, emulsion stability			Not applicable. The product does not form an emulsion.			
CP 2.8.7 Flowability, pourability and dustability			Not applicable, product is not a granular preparation, a suspension or a dustable powder.			

Test or study & Data point	Guideline and method	Test material purity and specification	Findings	Conclusion/ Comment	GLP Y/N	Reference
CP 2.9 Physical and chemical compatibility with other products including other plant protection products with which its use is to be authorised			Do not tank-mix with anti-foaming agents, other white mineral particulates and summer oils.			
CP 2.10 Adherence and distribution to seeds			Not applicable, product is not used for seed treatment.			
CP 2.11 Other studies			None			

B.2.1 References relied on

Notifier has already been asked to complete column “Justification if data protection is claimed” appropriately.

By Annex Point

Annex Point / Reference Number	Author(s)	Year	Title Source Company Report Number GLP Published	Vertebrate study Y/N	Data Protection Claimed	Justification if data protection is claimed	Owner	Previously submitted Y/N
CP 2.1/01 CP 2.7/01 CP 2.8.1/01 CP 2.8.2/01 CP 2.8.3/01	Norris D.	2006	Determination of Storage Stability and Shelf Life Specification Data for Surround, a Kaolin Formulation Stored at 54°C±2°C for Two Weeks, in Compliance with Good Laboratory Practice. David Norris Analytical Laboratories Ltd., UK Report number DNA0080 GLP Unpublished	N	Y		Tessenderlo Group N.V.	N
CP 2.1/02 CP 2.4/01 CP 2.6/01 CP 2.7/03 CP 2.8.1/02 CP 2.8.3/02 CP 2.8.5.1/01	Miller R	2012	Final Report for “Storage Stability and Corrosion Characteristics of Surround WP” ARC Inc., USA Report number ARC-EX-848-012-P-1 GLP Unpublished	N	Y		Tessenderlo Group N.V.	N
CP 2.2/01	Bosc- Guillosso n L	2004	Explosive Properties of Surround®WP Crop Protectant Swift Consulting, Pech Luna, France. Report number SWP002 Not GLP Unpublished.	N	N		Tessenderlo Group N.V.	Y DAR Vol 3, 2011

Annex Point / Reference Number	Author(s)	Year	Title Source Company Report Number GLP Published	Vertebrate study Y/N	Data Protection Claimed	Justification if data protection is claimed	Owner	Previously submitted Y/N
CP 2.2/02	Bosc- Guillosso n L	2004	Oxidizing Properties of Surround®WP Crop Protectant Swift Consulting, Pech Luna, France. Report number SWP004 Not GLP Unpublished.	N	N		Tessenderlo Group N.V.	Y DAR Vol 3, 2011
CP 2.2/03	Guillosso n L	2019	SURROUND® WP CROP PROTECTANT (950 g calcined aluminium silicate/kg) Theoretical assessment of Explosive Properties APC Report number TKIKAO-2019-7 Not GLP Unpublished.	N	Y		Tessenderlo Group N.V.	N
CP 2.2/04	Guillosso n L	2019	SURROUND® WP CROP PROTECTANT (950 g calcined aluminium silicate/kg) Theoretical assessment of Oxidising Properties APC Report number TKIKAO-2019-8 Not GLP Unpublished.	N	Y		Tessenderlo Group N.V.	N
CP 2.3/01 CP 2.3/02	Anonym ous	2015	SURROUND WP CROP PROTECTANT EPA Safety Data Sheet Tessenderlo Kerley No report number Not GLP Published	N	N		Public	N
CP 2.3/03	Guillosso n L	2019	SURROUND® WP CROP PROTECTANT (950 g calcined aluminium silicate/kg) Theoretical assessment of Flammability APC Report number TKIKAO-2019-5 Not GLP Unpublished	N	Y		Tessenderlo Group N.V.	N

Annex Point / Reference Number	Author(s))	Year	Title Source Company Report Number GLP Published	Vertebrate study Y/N	Data Protection Claimed	Justification if data protection is claimed	Owner	Previously submitted Y/N
CP 2.3/04	Guillosso n L	2019	SURROUND® WP CROP PROTECTANT (950 g calcined aluminium silicate/kg) Theoretical assessment of Self-heating APC Report number TKIKAO-2019-6 Not GLP Unpublished	N	Y		Tessenderlo Group N.V.	N
CP 2.7/02 CP 2.8.3/03	Norris D	2017	Determination of Storage Stability and Shelf Life Specification Data for a Formulation containing Kaolin Clay stored at 54°C±2°C for Two Weeks, in Compliance with Good Laboratory Practice. Report number DNA3876 GLP Unpublished	N	Y		Tessenderlo Group N.V.	N
CP 2.7/03	Norris D	2019	Determination of Storage Stability and Shelf Life Specification Data for a Formulation containing Kaolin Clay stored at ambient temperature for 2 years, in Compliance with Good Laboratory Practice Report number DNA3877 GLP Unpublished	N	Y	Data never previously submitted at EU level. Ongoing study – study plan provided	Tessenderlo Group N.V.	N

By Author

Author(s)	Annex Point / Reference Number	Year	Title Source Company Report Number GLP Published	Vertebrate study Y/N	Data Protection Claimed	Justification if data protection is claimed	Owner	Previously submitted Y/N
Anonymous	CP 2.3/01 CP 2.3/02	2015	SURROUND WP CROP PROTECTANT EPA Safety Data Sheet Tessenderlo Kerley No report number Not GLP Published	N	N		Public	N
Bosc-Guillosson L	CP 2.2/01	2004	Explosive Properties of Surround®WP Crop Protectant Swift Consulting, Pech Luna, France. Report number SWP002 Not GLP Unpublished.	N	N		Tessenderlo Group N.V.	Y DAR Vol 3, 2011
Bosc-Guillosson L	CP 2.2/02	2004	Oxidizing Properties of Surround®WP Crop Protectant Swift Consulting, Pech Luna, France. Report number SWP004 Not GLP Unpublished.	N	N		Tessenderlo Group N.V.	Y DAR Vol 3, 2011
Guillosson L	CP 2.2/03	2019	SURROUND® WP CROP PROTECTANT (950 g calcined aluminium silicate/kg) Theoretical assessment of Explosive Properties APC Report number TKIKAO-2019-7 Not GLP Unpublished.	N	Y	Data never previously submitted at EU level.	Tessenderlo Group N.V.	N

Author(s)	Annex Point / Reference Number	Year	Title Source Company Report Number GLP Published	Vertebrate study Y/N	Data Protection Claimed	Justification if data protection is claimed	Owner	Previously submitted Y/N
Guillosso L	CP 2.2/04	2019	SURROUND® WP CROP PROTECTANT (950 g calcined aluminium silicate/kg) Theoretical assessment of Oxidising Properties APC Report number TKIKAO-2019-8 Not GLP Unpublished.	N	Y	Data never previously submitted at EU level.	Tessenderlo Group N.V.	N
Guillosso L	CP 2.3/03	2019	SURROUND® WP CROP PROTECTANT (950 g calcined aluminium silicate/kg) Theoretical assessment of Flammability APC Report number TKIKAO-2019-5 Not GLP Unpublished	N	Y	Data never previously submitted at EU level.	Tessenderlo Group N.V.	N
Guillosso L	CP 2.3/04	2019	SURROUND® WP CROP PROTECTANT (950 g calcined aluminium silicate/kg) Theoretical assessment of Self-heating APC Report number TKIKAO-2019-6 Not GLP Unpublished	N	Y	Data never previously submitted at EU level.	Tessenderlo Group N.V.	N
Miller R	CP 2.1/02 CP 2.4/01 CP 2.6/01 CP 2.7/03 CP 2.8.1/02 CP 2.8.3/02 CP 2.8.5.1/01	2012	Final Report for “Storage Stability and Corrosion Characteristics of Surround WP” ARC Inc., USA Report number ARC-EX-848-012-P-1 GLP Unpublished	N	Y	Data never previously submitted at EU level.	Tessenderlo Group N.V.	N

Author(s)	Annex Point / Reference Number	Year	Title Source Company Report Number GLP Published	Vertebrate study Y/N	Data Protection Claimed	Justification if data protection is claimed	Owner	Previously submitted Y/N
Norris D.	CP 2.1/01 CP 2.7/01 CP 2.8.1/01 CP 2.8.2/01 CP 2.8.3/01	2006	Determination of Storage Stability and Shelf Life Specification Data for Surround, a Kaolin Formulation Stored at 54°C±2°C for Two Weeks, in Compliance with Good Laboratory Practice. David Norris Analytical Laboratories Ltd., UK Report number DNA0080 GLP Unpublished	N	Y	Data never previously submitted at EU level.	Tessenderlo Group N.V.	N
Norris D	CP 2.7/02 CP 2.8.3/03	2017	Determination of Storage Stability and Shelf Life Specification Data for a Formulation containing Kaolin Clay stored at 54°C±2°C for Two Weeks, in Compliance with Good Laboratory Practice. Report number DNA3876 GLP Unpublished	N	Y	Data never previously submitted at EU level.	Tessenderlo Group N.V.	N
Norris D	CP 2.7/03	2017	Determination of Storage Stability and Shelf Life Specification Data for a Formulation containing Kaolin Clay stored at ambient temperature for 2 years, in Compliance with Good Laboratory Practice Report number DNA3877 GLP Unpublished	N	Y	Data never previously submitted at EU level. Ongoing study – study plan provided	Tessenderlo Group N.V.	N

