

Oxidizing properties (Transport of dangerous goods) on TFSILi CAS 90076-65-6

In compliance with United Nations Recommendations on the Transport of Dangerous Goods – Manual of Tests and Criteria – Fifth revised edition (2010) – Test O.1 (Part III, Section 34.4.1)

> Study Sponsor **RHODIA OPERATIONS - SOLVAY** Bâtiment Etoile Part-Dieu 190 Avenue Thiers 69006 LYON FRANCE

> > Study Monitor DEGROOT Antoinette (SOLVAY)

Deputy Study Monitor COSTE Céline (SOLVAY)

Report No. 13-918035-002 of 14 January 2014

Test Facility

DEFITRACES Z.A. des Andrés 150, rue Pré-Magne 69126 BRINDAS FRANCE

In compliance with the Good Laboratory Practice Standards (Directive 2004/10/EC – French reference: Article Annexe II à l'article D523-8 du code de l'Environnement)

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CONFIDENTIALITY STATEMENT

The Sponsor may use the experimental data and integral reports arising as a result of the study (hereinafter the information) for his own evaluation, and disclose the information to the regulatory authorities, the Sponsor's licences, or consortium partners. In making such disclosures the Sponsor must refer to DEFITRACES by name or otherwise identify DEFITRACES. The Sponsor may also disclose to third parties complete copies of reports arising from the conduct of the study, provided that the report do not refer to DEFITRACES by name or otherwise identify DEFITRACES.

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GLP COMPLIANCE STATEMENT

The study, which is the subject of this report was performed at the request of:

RHODIA OPERATIONS - SOLVAY

I, the undersigned, hereby declare that the study has been conducted under my responsibility, in conformity with the study plan (No. 13-918035-002) and in compliance with the Good Laboratory Practice Standards (Directive 2004/10/EC – French reference: Article Annexe II à l'article D523-8 du code de l'Environnement) and the Standard Operating Procedures in use at DEFITRACES.

Date: 14 January 2014

DEMANGEL Benjamin Study Director DEFITRACES

Approved by:

Date: 14 January 2014

PUY Eric Test Facility Management DEFITRACES

QUALITY ASSURANCE STATEMENT

I, undersigned, hereby declare that the study No. 13-918035-002 was inspected in accordance with the current Principles of Good Laboratory Practice. I confirm that the methods, procedures and observations are accurately and completely described, and that the reported results accurately and completely reflect the raw data of the study.

The dates on which inspections were made by the Quality Assurance Unit, and the dates on which the inspection results were reported to the relevant persons are given below:

INSPECTION TYPE	DATE OF INSPECTION	DATE OF REPORT to the Study Director and the Test Facility Management
Study plan	15 October 2013	15 October 2013
Critical phase		
O.1 (SB)	14 November 2013	14 November 2013
Draft report and raw data	28 November 2013	28 November 2013
Final report	14 January 2014	14 January 2014

SB = study-based inspection

Date: 14 January 2014

DOMINGUEZ Axel Quality Assurance Assistant DEFITRACES

SUMMARY

OXIDIZING PROPERTIES (TRANSPORT OF DANGEROUS GOODS)

In compliance with

United Nations Recommendations on the Transport of Dangerous Goods – Manual of Tests and Criteria – Fifth revised edition (2010) – Test O.1 (Part III, Section 34.4.1)

As no main reaction with the test item / cellulose mixture in proportions 4:1 and 1:1 was observed, the reaction time was then considered to be lower than the mean time of reaction with the reference item / cellulose mixture in proportion 3:7.

Therefore, **the test item was not considered as an oxidizing solid** of Division 5.1 and thus was not assigned to any packing group.

GENERAL INFORMATION

<u>Test item</u>	TFSILi CAS 90076-65-6
Test performed	Oxidizing properties (transport of dangerous goods) United Nations Recommendations on the Transport of Dangerous Goods – Manual of Tests and Criteria – Fifth revised edition (2010) – Test O.1 (Part III, Section 34.4.1)
<u>Study Sponsor</u>	RHODIA OPERATIONS - SOLVAY Bâtiment Etoile Part-Dieu 190 Avenue Thiers 69006 LYON FRANCE
Study Monitor	DEGROOT Antoinette (SOLVAY) Rue de Ransbeek, 310 1120 BRUSSELS BELGIUM
Phone E-mail	+32 2 264 26 95 antoinette.degroot@solvay.com
Deputy Study Monitor	COSTE Céline (SOLVAY) 20, rue Marcel Sembat Boîte Postale 70026 69191 SAINT FONS CEDEX FRANCE
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<u>Test Facility</u>	DEFITRACES Z.A. des Andrés 150, rue Pré-Magne 69126 BRINDAS FRANCE	
Study Director Phone E-mail	DEMANGEL Benjamin +33 (0)4 78 45 60 52 benjamin.demangel@defitraces.	com
Technical Staff	LEMAITRE Jonathan	
Test Facility Management Phone E-mail	PUY Eric +33 (0)4 78 87 98 67 eric.puy@defitraces.com	
Study plan	No. 13-918035-002 accepted on	21 October 2013
<u>Study timetable</u>	Start of the study Experimental starting date Experimental completion date Date of the draft report End of the study	21 October 2013 13 November 2013 14 November 2013 27 November 2013 14 January 2014

INFORMATION ON THE ITEMS

TEST ITEM

Identification Batch CAS number Manufacturing date Expiry date Supplier Appearance Packaging Quantity received Date of receipt Storage Identification number of the test item

TFSILi CAS 90076-65-6 TFSILi-PU-1307001 [90076-65-6] 05 August 2013 04 August 2015 RHODIA OPERATIONS (SOLVAY) White powder Aluminium and plastic bags 2 x 100 g 12 November 2013 In darkness at room temperature 13-216

The test item will be stored in our facilities for at least two months after sending the final report of all DEFITRACES studies concerning this test item, then it will be destroyed by DEFITRACES.

REFERENCE ITEM

<u>0.1 test</u>

Identification Supplier CAS No. Batch Purity Periodicity of validation Potassium Bromate Sigma-Aldrich [7758-01-2] MKBJ8193V 99.8% During each test

AMENDMENTS

The following amendment to the study plan was requested:

AMD P 1: The title of the study and the name of the test item change in "Oxidizing properties (Transport of dangerous goods) on TFSILi CAS 90076-65-6".

This amendment does not have any adverse effect on the study.



The following deviations were recorded:

Deviation No. 1: The particle size of potassium bromate was lower than 150 μm instead of being higher.

Deviation No. 2: The temperature of the room during the test was out of the range 20 °C \pm 5 °C with a maximum temperature of 27 °C.

These deviations were not considered to have affected the quality or the interpretation of the results obtained.

DATA RECORDING AND ARCHIVING

All observations were immediately recorded in a paginated laboratory notebook.

The original documents, including the final report and all raw data, are archived at DEFITRACES for 10 years after completion of the study.

EXPERIMENTAL METHOD AND RESULTS

1. Test objective

The test objective is to determine the capacity of a solid matter to increase the rate or the intensity of burning reaction of a combustible item.

2. Principle

The duration of the burning reaction of test item mixtures is compared to reference item mixtures. According to the burning times obtained, the test item is classified in different groups.

3. Method

3.1. Apparatus

Iron/Chrome/Aluminium / wire	Diameter: 0.6 mm \pm 0.05 mm Resistance: 6.0 $\Omega/m \pm$ 0.5 Ω/m Length: Between 29 cm and 31 cm	
Heating device	•	
Stopwatch	Accuracy $\pm 1/100$ s	
Balance	Accuracy ± 0.1 g	Mettler PM 3000
Oven		
Temperature recorders		
Humidity recorder	Accuracy ± 0.1%	
Barometer	Accuracy ± 0.1 kPa	
Sieve of 500 µm		

3.2. Reagents

Cellulose powder and potassium bromate

3.3. Method

3.3.1. Preparation of the reagents

Test item

A representative fraction of the test item was sieved through a 500- μm sieve. 99.0% of the fraction had a size lower than 500 $\mu m.$ The test item was used as supplied.

Reference item

The reference item (potassium bromate) was dried at 65 °C during 22 hours 30 min. It was then kept in a dessicator with silica gel, until it reached room temperature. After each use, the reference item was replaced in the dessicator.

Combustible: Cellulose powder

The combustible was dried at approximately 105 °C during 24 hours 15 min. It was then kept in a dessicator with silica gel, until it reached room temperature and replaced in the dessicator after each use.

3.3.2. Preparation of the mixtures

30.0 g \pm 0.1 g mixtures were prepared with the following proportions:

	Mixture Item / Cellulose	Mass of item (g)	Mass of cellulose powder (g)
Tost itom	4:1	24	6
Test item	1:1	15	15
	3:7	9	21
Reference	2:3	12	18
	3:2	18	12

The mixture was homogenized and filled in a cone-shaped vessel. A conic pile of the mixture of approximately 70-mm diameter was then placed on a non-conductive surface by inverting the vessel.

A two-branch loop was formed with the nickel / chrome wire (see figure below), and this loop was connected to a heating device.



It was then inserted into the mixture pile, and the electric heater was turned on. The time of reaction from this moment to the end of the main reaction was recorded.

Five assays were performed with each mixture, and the mean time of the main reaction was calculated.

If the wire broke during the assay, another attempt must be performed, excepted if it was not considered to have affected the time of reaction.

3.4. Analysis

A solid item shall be assigned to Division 5.1 (oxidizing properties) if, in the 4:1 or the 1:1 sample-to-cellulose ratio (by mass) tested, it ignites or burns or exhibits mean burning times equal to or less than that of a 3:7 mixture (by mass) of potassium bromate and cellulose.

Oxidizing solids are classified in accordance with the following criteria:

 Packing group I: Any item which, in the 4:1 or the 1:1 sample-to-cellulose ratio (by mass) tested, exhibits mean burning times less than the mean burning time of a 3:2 mixture (by mass) of potassium bromate and cellulose. This Transport Packing Group I corresponds to a classification In "Oxidizing Solid Category 1" according to CLP Regulation (EC) No. 1272/2008,

- Packing group II: Any item which, in the 4:1 or the 1:1 sample-to-cellulose ratio (by mass) tested, exhibits mean burning times equal to or less than the mean burning time of a 2:3 mixture (by mass) of potassium bromate and cellulose and the criteria for packing group I are not met. This Transport Packing Group II corresponds to a classification In "Oxidizing Solid Category 2" according to CLP Regulation (EC) No. 1272/2008,
- Packing group III: Any item which, in the 4:1 or the 1:1 sample-to-cellulose ratio (by mass) tested, exhibits mean burning times equal to or less than the mean burning time of a 3:7 mixture (by mass) of potassium bromate and cellulose and the criteria for packing groups I and II are not met. This Transport Packing Group III corresponds to a classification In "Oxidizing Solid Category 3" according to CLP Regulation (EC) No. 1272/2008.

If the test item, in the 4:1 or the 1:1 sample-to-cellulose ratio (by mass) tested, does not ignite and burn, or presents a mean burning time greater than that of a 3:7 mixture (by mass) of potassium bromate and cellulose, it is not assigned to Division 5.1 and not classified as an oxidizing solid under CLP regulation.

4. Results

4.1. Experimental conditions

Atmospheric pressure:	99.0 kPa
Relative humidity:	Between 25% and 26%
Temperature	About 26 °C

4.2. Time of reaction with the reference item

Mixture Reference item / Cellulose	Time and observed reaction <i>(s)</i>	
3:7	3 min 00 s	
	3 min 00 s	
	3 min 00 s	- Ignition / Incandescence / Reddened
	3 min 00 s	Compusion / Smokes
	3 min 00 s	
Mean time of read	tion with the 3:7 mixture: 180 s	
	1 min 40 s	
	1 min 45 s	Institute / Incordescence / Deddaned
2:3	1 min 23 s	Ignition / Incandescence / Reddened
	2 min 02 s	combustion / omores
	1 min 38 s	
Mean time of read	tion with the 2:3 mixture: 102 s	
	6 s	
	7 s	Instition / Incondenses / Charles /
3:2	7 s	Projections / Smokes
	5 s	
	6 s	
Mean time of read	tion with the 3:2 mixture: 6 s	

Remark: The intensity of the main reaction was not stable and therefore the times of reactions for the mixtures 3:7 and 2:3 were longer than usually.

Mixture Test item / Cellulose	Time and observed reaction (s)	
4:1	 	The test item smoked and melted, no main reaction was observed.
Mean time of reac	tion with the 4:1 mixture: /	
1:1	/ / / / / / / /	The test item smoked and melted, no main reaction was observed.
Mean time of reac	tion with the 1:1 mixture: /	

4.3. Time of reaction with the test item

Remark: It should be noticed that the mean times of reaction obtained for the reference item/cellulose mixture (i.e. ratio 3:7 = 180 s, ratio 2:3 = 102 s, ratio 3:2 = 6 s) were higher than those mentioned in the UN O.1 guideline (i.e. ratio 3:7 = 100 s, ratio 2:3 = 54 s, ratio 3:2 = 4 s).

However, as no main reaction with the test item / cellulose mixture in proportions 4:1 and 1:1 was observed, the reaction time was then considered to be lower than the mean time of reaction with the reference item / cellulose mixture in proportion 3:7.

5. Conclusion

As no main reaction with the test item / cellulose mixture in proportions 4:1 and 1:1 was observed, the reaction time was then considered to be lower than the mean time of reaction with the reference item / cellulose mixture in proportion 3:7.

Therefore, **the test item was not considered as an oxidizing solid** of Division 5.1 and thus was not assigned to any packing group.

<u>APPENDIX 1</u> DEFITRACES CERTIFICATE OF COMPLIANCE WITH THE GLP (duplicate)



GROUPE INTERMINISTERIEL DES PRODUITS CHIMIQUES

CERTIFICAT DE CONFORMITE AUX BONNES PRATIQUES DE LABORATOIRE SELON LES DIRECTIVES 2004/9/CE ET 2004/10/CE CERTIFICATE OF COMPLIANCE WITH GOOD LABORATORY PRATICES ACCORDING TO DIRECTIVES 2004/9/CE AND 2004/10/CE

Certificat nº: 2013/24

Société ou organisme : DEFITRACES - ZA des Andrés - 150 Pré-Magne - 69126 BRINDAS Company :

Installation d'essais : DEFITRACES - ZA des Andrés - 150 Pré-Magne - 69126 BRINDAS Test facilities :

Vu les articles D.523-8 et suivants du code de l'environnement relatifs au groupe interministériel des produits chimiques,

Having regard to the articles D.523-8 and onwards relating to the interministerial group of chemical products (GIPC),

Vu les résultats de l'inspection périodique et complémentaire réalisée par le Comité français d'accréditation (COFRAC) - Section Laboratoires – le :	30, 31 janvier et 1 février 2013
Having regard to the results of the periodic inspection and complementary realised by the French Committee of accreditation (COFRAC) – Laboratory	30. 31 January and 1er
Section – on the :	February 2013
Vu l'avis du GIPC en date du :	31 mai 2013
Having regard to the GIPC's opinion dated :	31 May 2013

La conformité aux principes des BPL de l'installation précitée est reconnue dans les domaines suivants : Compliance with the principles of GLP is recognized for the facility above in the following areas:

1 - essais physico-chimiques (physical-chemical testing)

Fait à Ivry, le 1 9 JUIN 2013

Le Président,

Jean-Marc GROGNET

Secrétariat général du GIPC - DGCIS- SI – 67, rue Barbès – 94201 Ivry-sur-Seine CEDEX Téléphone : 01 79 84 96 10 – Adresse mail : gipc.dgcis@finances.gouv.fr

> MINISTÈRE DU REDRESSEMENT PRODUCTIF

APPENDIX 2 TEST ITEM ANALYTICAL CERTIFICATE (duplicate)

Certificate of Analysis

Product Name:	Bis Trifluoromethanesulfonimide Lithium (pure powder)	
Batch No. :	TFSILi-PU-1307001	
CoA No.:	TFSILi-PU-13104	
Production Date:	Aug.05, 2013	
Retest Date:	Aug.04, 2015	
Quantity :	200g	
P.O. No.:	Free sample	
Customer name :	DEFITRACES	

	Specifications	Results
Color(10w/w% aqueous solution)	≤ 100 Hazen	<10
Assay (100-sum of impurities, w/w%)	>99.9%	99.99 %
Water (KF, w/w%)	≤0.5 %	0.2 %
pH value(Aqueous solution at 10w/w% of TFSiLi at room temperature)	6.0 to 8.0	6.9
Turbidity (25% in dimethoxyethane)	≤10 NTU	3.2 NTU
Chloride (Ionometry)	≤15ppm	10 ppm
Fluoride (Ionometry)	≤20ppm	3 ppm
Sulphate (Turbidity comparison)	≤20ppm	2 ppm
Sodium (Na, AAS)	≤10ppm	< 1 ppm
Potassium (K, ICP-AES)	≤5 ppm	< 1 ppm
Iron (Fe, ICP-AES)	≤2 ppm	< 1 ppm
Aluminium (Al, ICP-AES)	≤l ppm	< 1 ppm
Silicon(Si, ICP-AES)	≤5 ppm	< 1 ppm
Nickel(Ni, ICP-AES)	≤l ppm	< 1 ppm
Boron(B, ICP-AES)	≤l ppm	< 1 ppm
Calcium(Ca, ICP-AES)	≤5 ppm	1 ppm
Magnesium(Mg, ICP-AES)	≤1 ppm	< 1 ppm
Copper(Cu, ICP-AES)	≤l ppm	< 1 ppm
Lead(Pb, ICP-AES)	≤1 ppm	< 1 ppm
Zinc (Zn, ICP-MS)	≤l ppm	< 1 ppm

	CRTS Analytical M	anager Approval	
Comments	Issued by	Approved by	CoA issue Date
Conform Bioght *	ーソー 「」」 Huang Xin	Dong Jie	Oct.14, 2013

3966 Jin Du Rd., Xin Zhuang Industrial Zone, Shanghai 201108, China Tel : 86 21 24089357 Fax : 86 21 54424351





Oxidizing properties (carriage of dangerous goods) on TFSILI CAS 90076-65-6

In compliance with United Nations Recommendations on the Transport of Dangerous Goods – Manual of Tests and Criteria – Fifth revised edition (2009) – Test O.1 (Part III, Section 34.4.1)

> Study Sponsor RHODIA OPERATIONS - SOLVAY Bâtiment Etoile Part-Dieu 190 Avenue Thiers 69006 LYON FRANCE

> > Study Monitor DEGROOT Antoinette (SOLVAY)

Deputy Study Monitor COSTE Céline (SOLVAY)

Study Plan No. 13-918035-002

Author DEMANGEL Benjamin

Test Facility DEFITRACES Z.A. des Andrés 150, rue Pré-Magne 69126 BRINDAS FRANCE

In compliance with the Good Laboratory Practice Standards (Directive 2004/10/EC – French reference: Article Annexe II à l'article D523-8 du code de l'Environnement du 16 Octobre 2007)

> Document of 5 pages including experimental method. The reproduction of this study plan is only permitted in its integral form.

STUDY SPONSOR: RHODIA OPERATIONS - SOLVAY TEST ITEM: TFSILI CAS 90076-65-6

		STUDY ORGANIS	ATION	
Test item		TFSILI CAS 90076-6	65-6	
<u>Test(s) to be pe</u>	erformed	Oxidizing propertie United Nations Red Dangerous Goods – revised edition (2009	s (carriage of dangerous commendations on the - Manual of Tests and C)) – Test O.1 (Part III, Sec	s goods) Transport of riteria – Fifth tion 34.4.1)
Study Sponsor		RHODIA OPERATIO Bâtiment Etoile Part- 190 Avenue Thiers 69006 LYON FRANCE	DNS - SOLVAY Dieu	
Study Monitor Phone E-mail		DEGROOT Antoinett (SOLVAY) Rue de Ransbeek, 3 1120 BRUSSELS BELGIUM +32 2 264 26 95 antoinette.degroot@	te 10 solvav.com	
Deputy Study Mo	onitor	COSTE Céline (SOLVAY) 20, rue Marcel Semb Boîte Postale 70026 69191 SAINT FONS FRANCE	at CEDEX	
E-mail		celine.coste@solvay	com	
<u>Test Facility</u>		DEFITRACES Z.A. des Andrés 150, rue Pré-Magne 69126 BRINDAS FRANCE		
Study Director Phone E-mail		DEMANGEL Benjam +33 (0)4 78 45 60 52 benjamin.demangel@	in @defitraces.com	
Test Facility Man Phone E-mail	agement	PUY Eric +33 (0)4 78 87 98 67 eric.puy@defitraces.	com	
Study schedule				
Experimental sta Experimental cor Availability of the	rting date npletion date draft report	October 2013 November 2013 November 2013	(proposed date) (proposed date) (proposed date)	
These date requested inform	es apply only if ation) are receiv	a signed copy of the ved before 22 Octobe	study plan and the test r 2013 .	item (with its

DEFITRACES Study Plan No. 13-918035-002

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STUDY SPONSOR: RHODIA OPERATIONS - SOLVAY

TEST ITEM: TFSILI CAS 90076-65-6

APPROVAL OF THE STUDY PLAN

Study proposed by

Test Facility Study Director Date Signature DEFITRACES DEMANGEL Benjamin 21 October 2013

Test Facility Test Facility Management Date Signature DEFITRACES PUY Eric 21 October 2013

B.

Authorized by

Sponsor Study Monitor

Date Signature

DEFITRACES Study Plan No. 13-918035-002

RHODIA OPERATIONS - SOLVAY DEGROOT Antoinette (SOLVAY) 21 october 2213

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STUDY SPONSOR: RHODIA OPERATIONS - SOLVAY

TEST ITEM: TFSILI CAS 90076-65-6

Standard Experimental Method

Oxidizing properties (Carriage of Dangerous Goods)

1. Test to be performed

Oxidizing properties (Carriage of Dangerous Goods).

United Nations Recommendations on the Transport of Dangerous Goods – Manual of tests and criteria – Fifth revised edition (2009) – Test O.1 (Part III, Section 34.4.1)

2. Quantity of the test item to be supplied

500 g

3. Information concerning the test item

Particle size distribution of the test item.

4. Test objective

The objective of the test will be to determine the capacity of a solid test item to increase the rate or the intensity of burning reaction of a combustible item being dry fibrous cellulose.

5. Principle

The test item will be mixed with dry fibrous cellulose in ratios of 1:1 and 4:1, by mass, of test item to cellulose. The duration of the burning reaction of these mixtures will be compared to that of mixtures of reference item (potassium bromate) and cellulose in ratios 3:7, 2:3 and 3:2 (by mass). According to the burning times obtained, the test item will be classified in different groups:

- Packing group I: if the substance, in the 4:1 or 1:1 ratio, presents a mean burning time less than the mean burning time of a 3:2 mixture of potassium bromate and cellulose. This Transport Packing Group I corresponds to a classification in "Oxidizing Solid Category 1" according to CLP Regulation (EC) N° 1272/2008.
- Packing group II: if the substance, in the 4:1 or 1:1 ratio, presents a mean burning time equal to or less than the mean burning time of a 2:3 mixture of potassium bromate and cellulose. This Transport Packing Group II corresponds to a classification in "Oxidizing Solid Category 2" according to CLP Regulation.
- Packing group III: if the substance, in the 4:1 or 1:1 ratio, presents a mean burning time equal to or less than the mean burning time of a 3:7 mixture of potassium bromate and cellulose. This Transport Packing Group III corresponds to a classification in "Oxidizing Solid Category 3" according to CLP Regulation.
- Not Division 5.1: if the substance, in the 4:1 or 1:1 ratio, does not ignite and burn, or presents a mean burning time greater than that of a 3:7 mixture of potassium bromate and cellulose. In this case, the substance will not be classified as an oxidizing solid according to CLP Regulation.

DEFITRACES Study Plan No. 13-918035-002

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STUDY SPONSOR: RHODIA OPERATIONS - SOLVAY

TEST ITEM: TFSILI CAS 90076-65-6

6. Experimental system

It will be fully described in the final report.

7. Reference item

The validation of the test will be performed during the test using potassium bromate as reference item.

8. Quality Assurance

This study will be performed in compliance with the Principles of Good Laboratory Practice (Directive 2004/10/EC – French reference: Article Annexe II à l'Article D523-8 du code de l'Environnement du 16 octobre 2007) and DEFITRACES Standard Operating Procedures.

The study plan, raw data, draft report and final report of the study will be inspected. In addition, inspections will be carried out on the critical phases of the study (study-based inspections) or on critical phases of other studies (process-based inspections) if the same method/test guideline is frequently implemented.

Quality Assurance findings will be reported promptly to the Study Director and the Test Facility Management.

9. Health and Safety

The Sponsor will provide all available information regarding known or potential hazards associated with the handling and use of any test item supplied to DEFITRACES.

Such information, in the form of a test item data sheet, must be received by DEFITRACES before the test item can be handled in the laboratory. At the discretion of DEFITRACES, other documentation containing the equivalent information may be acceptable.

The Sponsor will also comply with all current legislations and regulations concerning shipment of test items by road, rail, sea or air.

10. Data recording and Archiving

All observations will be immediately recorded in a paginated laboratory notebook.

The original documents, including the final report and all raw data, are archived at DEFITRACES for 10 years after completion of the study.

The test item will be stored in our facilities for at least two months after sending the final report of all DEFITRACES studies concerning the test item, then returned to the supplier or destroyed.

DEFITRACES Study Plan No. 13-918035-002

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Amendment No. AMD-P-1-13-918035-002 to the study plan

Study Sponsor RHODIA OPERATIONS (SOLVAY)

TESILI CAS 90076-65-6

DEFITRACES Study No. 13-918035-002

Subject	Title study and test item's name change
Description	The title of the study and the name of the test item change in "Oxidizing properties (Transport of dangerous goods) on TFSILi CAS 90076-65-6".
Reason	Study plan mistake

For DEFITRACES

DEMANGEL Benjamin Study Director

Date: 14 January 2014

DOMINGUEZ Axel Quality Assurance Assistant

Date: 14 January 2014

Approval for RHODIA OPERATIONS (SOLVAY)

DEGROOT Antoinette

(SOLVAY) Study Monitor Date: 14 January 2014

Aent Signature:

Signature

Signature: 1.0 C. Cashe