Version		SUBSTANCE IDENTIFICATION PROFILE (SIP)		
v.1	Rare Earth REACH Consortium	30B3TANCE IDENT	IFICATION FR	OFILE (SIF)
12/10/2015	Solvay			
No	1.1. Chemical Name	1.2. EC Number	1.3. CAS Number	1.4. Composition Type
	digadalinium triavida	225 060 0	12064 62 0	Mana constituent substance

digadolinium trioxide 235-060-9 12064-62-9 Mono-constituent substance
This Substance Identification Profile (SIP) is developed to represent the Identification parameters of the Substance described in line with the Substance Identification requirements of

		H Annex VI and relevant Guidances for the purpose to ident	
	SI Parameter	Value / Not necessary / Not for SIP	Remark / Justification
2.1.A	Name or other Identifiers of the substance		I
2.1.1.a	IUPAC Name	gadolinium(3+);oxygen(2-)	
2.1.1.b 2.1.2.a	Other International chemical name Chemical Name	not relevant digadolinium trioxide	
2.1.2.a 2.1.2.b	Abbreviation	not relevant	
2.1.2.c	Other names	gadolinia	
2.1.2.0	other names	gadolinium oxide	
		gadolinium sesquioxide	
		gadolinium(3+) oxide	
		gadolinium(III) oxide	
2.1.3.a	EC Number	235-060-9	
2.1.3.b	EC Name	digadolinium trioxide	
2.1.3.c	EC Description	not available	
2.1.4.a	CAS Number	12064-62-9	
2.1.4.b	CAS Name	gadolinium oxide	
2.1.4.c	CAS Description	not available	
2.1.5.a	IUBMB Number	not applicable	
2.1.5.b	INCI Number	not applicable	
2.1.5.c	Other Catalogue identifiers	not applicable	
2.1.B		ling under this substance (with justification)	
2.1.6.a	Chemical Name	not relevant	
2.1.6.b	EC Number	not relevant	
2.1.6.c	CAS Number	not relevant	<u> </u>
2.2	Information related to molecular and stru		
2.2.1.a	Molecular Formula	Gd2O3	
2.2.1.b	Structural Formula	O ^{ceq.} O· ^{eq.} O	
2.2.1.c	Smiles notation	[Gd+3].[Gd+3].[O-2].[O-2]	
2.2.2.a	Optical activity	none	
2.2.2.b	Typical ratio of (stereo) isomers	not applicable	
2.2.3.a	Molecular Weight	362.5 g/mol	
2.2.3.b	Molecular Weight range	not applicable	
2.3	Chemical Composition of the substance		
2.3.1	Main Constituent Name -Main Constituent	I disea della i cas sala cida	T
	CAS Number -Main Constituent	digadolinium trioxide	
	EC Number -Main Constituent	12064-62-9 235-060-9	
	Concentration range -Main Constituent	≥ 80%	
	- Lower value		
	Concentration range -Main Constituent - Upper value	100%	
	Typical concentration -Main Constituent (= Degree of purity)	99.95%	
222		antiibuting to the bound or BBT mofile)	
2.3.2 2.3.2.a	Agreed strategy for Impurity profile on SIP	contributing to the hazard or PBT profile) The impurity profile is not relevant for the SIP. It can	Each registrant will need to specify the impurities present in their
2.3.2.a	Agreed strategy for impurity profile on Sir	however be relevant for Classification and Labelling.	company-specific (confidential) part of the joint registration dossier (section 1-3).
			The registration dossier, and in particular the suggested C&L and the hazard assessment, will assume that the substance as placed on the market conforms to:
			- All impurities > 1% do not significantly affect its toxicological and
			ecotoxicological properties.
			recoloxicological properties.
			- All hazardous impurities are present at < 0.1%.
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233	Additive(s) (above 1% or lower if contribu	ting to the hazard)	- All hazardous impurities are present at < 0.1%. If a registrant's substance does not conform to the above specifications then the registrant will have to justify that the differences do not modify the IUCLID and CSR conclusions and do not require a different C&L or - if relevant - different exposure
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By approving this Substance Information Profile (SIP), the Company declares that he agrees with the content and purpose of this Substance Identification Profile.

He agrees that his substance does to the best of his knowledge completely fall under the substance identity being represented by the SIP sufficient for the purpose of meeting the SIEF requirements and opting for the joint submission Registration dossier to be created by the lead registrant in line with the REACH requirements.

He agrees that he will inform the Consortium via the Secretariat or the SIEF via the Lead registrant in he has (new) information that might change the content of this SIP or if his Substance is changed in such a way that it might or does no longer fall under the SIP or might potentially have an impact on the content of the Registration dossier. He understands and agrees to be fully responsible for the proper linkage of the substance to the REACH requirements accordingly.