Version v 1	Rare Earth REACH Consortium	SUBSTANCE IDENTI	FICATION PR	OFILE (SIP)
LR	Solvay			
No	1.1. Chemical Name	1.2. EC Number	1.3. CAS Number	1.4. Composition Type
	didysprosium trioxide	215-164-0	1300-07-0	Mono-constituent
	This Substance Identification Profile (SIP) is du	eveloped to represent the Identification parameters of	of the Substance described	in line with the Substance
	Identification requirements of REACH Annex V	I and relevant Guidances for the purpose to identify	the substance	in the with the Substance
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Reference	SI Parameter	Value / Not necessary / Not for SIP	Remark	/ Justification
2.1.1.a	IUPAC Name	dysprosium(3+); oxygen(2-)		
2.1.1.b	Other International chemical name	not relevant		
2.1.2.a	Chemical Name	didysprosium trioxide		
2.1.2.D 2.1.2.c	Abbreviation Other names	not relevant dysprosium oxide		
2.1.2.0		dysprosium sesquioxide		
		dysprosium trioxide		
		dysprosium(3+) oxide		
		dysprosium(III) oxide		
2.1.3.a	EC Number	215-164-0		
2.1.3.b	EC Name	didysprosium trioxide		
2.1.3.c	EC Description	not available		
2.1.4.a	CAS Number	1308-87-8 dvorrosium ovido		
2.1.4.0 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	Substances (with core identifiers) also fail	Ing under this substance (with justification)	1	
2.1.6.b	EC Number	not relevant	•	
2.1.6.c	CAS Number	not relevant		
2.2.	Information related to molecular and struc	ctural formula of the substance		
2.2.1.a	Molecular Formula	Dy2O3		
2.2.1.0		O _{2Dy} O.Dy2O		
2.2.1.c	Smiles notation	O=[Dy]O[Dy]=O		
2.2.2.a	Optical activity	none		
2.2.2.D 2.2.3.a	Molecular Weight	372 998 g/mol		
2.2.3.b	Molecular Weight range	not applicable		
2.3	Chemical Composition of the substance			
2.3.1	Main Constituent	diduos secium triouide		
2.3.1.a 2.3.1.b	CAS Number -Main Constituent	1308-87-8		
2.3.1.c	EC Number -Main Constituent	215-164-0		
2.3.1.d	Concentration range -Main Constituent	≥ 80%		
231e	- Lower value	100%		
2.0.1.0	- Upper value			
2.3.1.f	Typical concentration -Main Constituent (= Degree of purity)	> 95%		
2.3.2	Impurity / Impurities (above 1% or lower if	contributing to the hazard or PBT profile)		
	Agreed strategy for Impurity profile on SIP	The impurity profile is not relevant for the SIP. It	The registration dossier w	vill address the pure substance
		can however be relevant for Classification and	(solid). If hazardous impu	rities are present in a
		Labelling.	iustify that the differences	do not modify the IUCLID and
			CSR conclusions and do	not require a different C&L or -
			if relevant - different expo	sure scenarios. This
			information will be reported	ed in the company specific
2.3.2.a			(confidential) part of the f	egistration dossier.
2.3.3	Additive(s) (above 1% or lower if contribu	No additives above 1% or contributing to the	le contra de la co	
	rigrood olidiogy for riddiaroo on on	hazard or PBT profile.		
2.3.3.a 2 4	Suggestions for analytical and spectral m	ethods to be used for substance sameness che	ack	
2.4.1	Spectral method used	both XRD and NIR can be used to confirm the ide	ntity of the substance	
0.4.0				DEO wat shared in the state
2.4.2	Analytical method used	determination of Total Rare Earth Oxides; Determ	ination of content of main	component (Dy2O3) based on
2.5	Substance Samenese Approval		A110.	
2.5.1.	Agreed approval method for the sameness	Individual discussions with Consortium members	result in a generic SIP. Th	is generic SIP, after approval
	checking procedure using this SIP	by the involved Consortium members, is sent to the	ne entire SIEF for approva	<u>l.</u>
2.5.2	Agreed approval method for the sameness	A generic SIP is sent to the entire SIFF SIFF n	nembers that do not agr	e with the draft generic SIP
2.0.2	checking procedure using this SIP (SIEF)	must notify ARCADIS before the deadline, including and relevant information. SIEF members that		
	<u> </u>		HOULY ANCADIS.	

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 if 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 fail 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 Registration dossier and informing of his supply chain on the safe use of his substance and fulfilling his REACH requirements accordingly.