Version		SUBSTANCE IDENTIFICATION DECELLE (SID)	
v.1	Rare Earth REACH Consortium	SUBSTANCE IDENTIFICATION PROFILE (SIP)	
LR	Solvay		
No	1.1. Chemical Name	1.2. EC Number	1.3. CAS Number 1.4. Composition Type
	dysprosium trinitrate	233-410-5	10143-38-1 Mono-constituent
		eveloped to represent the Identification parameters of t	
	Identification requirements of REACH Annex V	I and relevant Guidances for the purpose to identify the	substance
Referenc	e SI Parameter	Value / Not necessary / Not for SIP	Remark / Justification
2.1.A	Name or other Identifiers of the substance		_
2.1.1.a 2.1.1.b	IUPAC Name Other International chemical name	dysprosium trinitrate not relevant	
2.1.2.a	Chemical Name	dysprosium trinitrate	
2.1.2.b	Abbreviation	not relevant	
2.1.2.c	Other names	nitric acid, dysprosium(3+) salt (3:1) dysprosium nitrate	
		nitric acid, dysprosium(3+) salt	
		dysprosium(III) nitrate	
2.1.3.a	EC Number	233-410-5	
2.1.3.b	EC Name	dysprosium trinitrate	
2.1.3.c 2.1.4.a	EC Description CAS Number	not available 10143-38-1	
2.1.4.b	CAS Name	nitric acid, dysprosium(3+) salt (3:1)	
2.1.4.c	CAS Description	not available	
2.1.5.a	IUBMB Number	not applicable	
2.1.5.b 2.1.5.c	INCI Number Other Catalogue identifiers	not applicable not applicable	
2.1.B		ling under this substance (with justification)	
2.1.6.a	Chemical Name	dysprosium nitrate hexahydrate	Hydrated form
2.1.6.b	EC Number	233-410-5	
2.1.6.c 2.1.7.a	CAS Number Chemical Name	35725-30-5 dysprosium(III) nitrate hydrate	Hydrated form
2.1.7.b	EC Number	233-410-5	Trydrated form
2.1.7.c	CAS Number	100641-13-2	
2.2	Information related to molecular and stru		In many
2.2.1.a 2.2.1.b	Molecular Formula Structural Formula	Dy . 3 H N O3	Dy(NO3)3
		0 == N − 0H • 1/3 D _M (III)	
2.2.1.c	Smiles notation	[N+](=O)([O-])[O-].[N+](=O)([O-])[O-].[N+](=O)([O-])[O-].[Dy+3]	
2.2.2.a	Optical activity	none	
2.2.2.b	Typical ratio of (stereo) isomers	not applicable	I had not a discount of COA not and the same had not a
2.2.3.a 2.2.3.b	Molecular Weight Molecular Weight range	348.51 g/mol Dy(NO3)3 not applicable	Hydrated form: 456.61 g/mol (hexahydrate)
2.3	Chemical Composition of the substance		•
2.3.1	Main Constituent		
2.3.1.a	Name -Main Constituent	dysprosium trinitrate	
2.3.1.b 2.3.1.c	CAS Number -Main Constituent EC Number -Main Constituent	233-410-5 10143-38-1	
2.3.1.d	Concentration range -Main Constituent	≥ 80%	
	- Lower value	Linear	
2.3.1.e	Concentration range -Main Constituent - Upper value	100%	
2.3.1.f	Typical concentration -Main Constituent (=	> 95%	On a dry weight basis (excluding hydration water in ca
0.0.	Degree of purity)		of a hydrate)
2.3.2	Agreed strategy for Impurity profile on SIP	The impurity profile is not relevant for the SIP. It	The registration dessier will address the pure substan
2.3.2.a	Agreed strategy for impulity profile of Sir	Can however be relevant for Classification and Labelling.	The registration dossier will address the pure substan (solid). If hazardous impurities are present in a regist substance, then the registrant will have to justify that differences do not modify the IUCLID and CSR conclusions and do not require a different C&L or - if relevant - different exposure scenarios. This informati will be reported in the company specific (confidential) of the registration dossier.
2.3.3	Additive(s) (above 1% or lower if contribu	ting to the hazard)	
	Agreed strategy for Additives on SIP	No additives above 1% or contributing to the	
2.3.3.a		hazard or PBT profile.	
2.4	Suggestions for analytical and spectral m	ethods to be used for substance sameness chec	k
2.4.1	Spectral method used	X-Ray Diffraction (XRD)	
2.4.2	Analytical method used	XRF + Nitric acid titration + Karl Fischer	
	•		
2.5	Substance Sameness Approval	Individual discussions will O	CID This
2.5.1.	Agreed approval method for the sameness checking procedure using this SIP (Consortium)	Individual discussions with Consortium members result in a generic SIP. This generic SIP, after approval by the involved Consortium members, is sent to the entire SIEF for approval.	
2.5.2	Agreed approval method for the sameness checking procedure using this SIP (SIEF)	A generic SIP is sent to the entire SIEF. SIEF members that do not agree with the draft generic SIP must notify ARCADIS before the deadline, including any relevant information. SIEF members that agree with the draft generic SIP do not need to notify ARCADIS.	

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

agree with the draft generic SIP do not need to notify ARCADIS.