Version	
v.1	REACH Rare Earth Consortium
LR	Treibacher

SUBSTANCE IDENTIFICATION PROFILE (SIP)

No	1.1. Chemical Name	1.2. EC Number	1.3. CAS Number	1.4. Composition Type
	Cerium(III)oxalate	205-362-5	139-42-4	Mono-constituent

This Substance Identification Profile (SIP) is developed to represent the Identification parameters of the Substance described in line with the Substance Identification requirements of REACH Annex VI and relevant Guidances for the purpose to identify the substance

Reference	SI Parameter	Value / Not necessary / Not for SIP	Remark / Justification
2.1.A	**Name or other Identifiers of the substance**		
2.1.1.a	IUPAC Name	Trisoxalate dicerium	
2.1.1.b	Other International chemical name		
2.1.2.a	Chemical Name		
2.1.2.b	Abbreviation		
2.1.2.c	Other names	Cerium Oxalate, Tris[oxalate(2-)]dicerium, Cerium(III)oxalate	
2.1.3.a	EC Number	205-362-5	
2.1.3.b	EC Name	Tris[oxalate(2-)]dicerium	
2.1.3.c	EC Description		
2.1.B	**Substances (with core identifiers) also falling under this substance (with justification)**		
2.1.6.a	Chemical Name	Ce2(C2O4)3. nH2O	
2.1.6.b	EC Number		
2.1.6.c	CAS Number		
2.1.7.a	Chemical Name	Oxalic acid, cerium salt	
2.1.7.b	EC Number	230-326-0	
2.1.7.c	CAS Number	7047-99-6	
2,2	**Information related to molecular and structural formula of the substance**		
2.2.1.a	Molecular Formula	Ce2(C2O4)3	
2.2.1.b	Structural Formula		
2.2.1.c	Smiles notation	C(C(=O)[O-])(=O)[O-].[Ce+].[Ce+]	
2.2.3.a	Molecular Weight	544,24	
2.2.3.b	Molecular Weight range		
2,3	**Chemical Composition of the substance**		
2.3.1	**Main Constituent**		
2.3.1.a	Name -Main Constituent	Cerium(III)oxalate	
2.3.1.b	CAS Number -Main Constituent	139-42-4	
2.3.1.c	EC Number -Main Constituent	205-362-5	
2.3.1.d	Concentration range -Main Constituent	>80% - 100%	
2.3.1.f	Typical concentration -Main Constituent	85%	
2.3.2	**Impurity / Impurities (above 1% or lower if contributing to the hazard or PTB profile)**		
	All impurities > 1% are other related inorganic substances, similar to the registered substance, which do not significantly affect its toxicological and ecotoxicological properties based on available data.		
2.3.3	**Additive(s) (above 1% or lower if contributing to the hazard)**		
	No hazardous impurity is identified at a concentration that would lead to a changed classification.		
2,4	**Suggestions for analytical and spectral methods to be used for substance sameness check**		
	Spectral method used	X-Ray Diffraction (XRD)	
	Analytical method used		
2,5	**Substance Sameness Approval**		
	Name and Function		
	Signature		
	Date		

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 requirements accordingly.