Version		SUBSTANCE IDENT	IEICATION DDC	TEILE (SID)
v.1	Rare Earth REACH Consortium	SUBSTANCE IDENTIFICATION PROFILE (SIP)		
12/10/2015	Solvay			
No	1.1. Chemical Name	1.2. EC Number	1.3. CAS Number	1.4. Composition Type
	lutotium oxido	224.764.2	12022.20.1	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 Profile (SIP) is developed to represent the Identification parameters of the Substance described in line with the Substance Identification

544	ostance Identification Profile (SIP) is developed to RFACH	Annex VI and relevant Guidances for the purpose to identif	v the substance
Reference	SI Parameter	Value / Not necessary / Not for SIP	Remark / Justification
2.1.A	Name or other Identifiers of the substance		TOMAN, Judinoulon
2.1.1.a	IUPAC Name	lutetium(3+); oxygen(2-)	
2.1.1.b	Other International chemical name	not relevant	
2.1.2.a	Chemical Name	lutetium oxide	
2.1.2.b	Abbreviation	not relevant	
2.1.2.c	Other names	dilutetium trioxide	
		lutetia	
		lutetium sesquioxide	
		lutetium trioxide	
		lutetium(3+) oxide	
		lutetium(III) oxide	
2.1.3.a	EC Number	234-764-3	
2.1.3.b	EC Name	lutetium oxide	
2.1.3.c	EC Description	not available	
2.1.4.a	CAS Number	12032-20-1	
2.1.4.b	CAS Name	lutetium 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		ing 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	
2.2	Information related to molecular and struc		
2.2.1.a	Molecular Formula	Lu2O3	
2.2.1.b	Structural Formula	٥ در ٥ دن	
		"La "Lu	
2.2.1.c	Smiles notation	[Lu+3].[Lu+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	397.93 g/mol	
2.2.3.b	Molecular Weight range	not applicable	
2.3	Chemical Composition of the substance	1	
2.3.1	Main Constituent		
2.3.1.a	Name -Main Constituent	lutetium oxide	
2.3.1.b	CAS Number -Main Constituent	12032-20-1	
2.3.1.c	EC Number -Main Constituent	234-764-3	
2.3.1.d	Concentration range -Main Constituent	≥ 80%	
	- Lower value		
2.3.1.e	Concentration range -Main Constituent	100%	†
	- Upper value		
2.3.1.f	Typical concentration -Main Constituent (=	99.95%	
	Degree of purity)		
		contributing to the hazard or PBT profile)	I.
222			
2.3.2 2.3.2 a			Each registrant will need to specify the impurities present in
<b>2.3.2</b> 2.3.2.a	Agreed strategy for Impurity profile on SIP	The impurity profile is not relevant for the SIP. It can	Each registrant will need to specify the impurities present in their company-specific (confidential) part of the joint registration
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2.3.2.a  2.3.3 2.3.3.a  2.4 2.4.1 2.4.2	Additive(s) (above 1% or lower if contributing and spectral method Agreed Spectral data to be used  Agreed Analytical Methods to be used  Substance Sameness Approval Agreed approval method for the sameness	The impurity profile is not relevant for the SIP. It can however be relevant for Classification and Labelling.  In the hazard in the hazard in the hazard or PBT profile.  In the hazard in the hazard in the hazard or PBT profile.  In the hazard in the hazard in the hazard or PBT profile.  In the hazard in the hazard in the hazard or PBT profile.  In the hazard in the hazard in the hazard or PBT profile.  In the hazard in the hazard in the hazard or PBT profile.  In the hazard in the hazard in the hazard or PBT profile.  In the hazard in the hazard in the hazard or PBT profile.  In the hazard in the hazard in the hazard or PBT profile.  In the hazard in the haz	their 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.  - 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 scenarios. This information will be reported in the company specific (confidential) part of the registration dossier.
2.3.2.a  2.3.3 2.3.3.a  2.4 2.4.1 2.4.2	Additive(s) (above 1% or lower if contributed Agreed strategy for Additives profile on SIP agreed strategy for Additives profile on SIP agreed Spectral data to be used Agreed Analytical Methods to be used Agreed Analytical Methods to be used agreed Approval Methods to be used agreed approval method for the sameness checking procedure using this SIP	The impurity profile is not relevant for the SIP. It can however be relevant for Classification and Labelling.  In the hazard in the hazard in the hazard or part in the hazard	their 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.  - 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 scenarios. This information will be reported in the company specific (confidential) part of the registration dossier.
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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 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.