

Version	Company	<b>SUBSTANCE IDENTIFICATION PROFILE (SIP)</b>	
v.1	REACH Rare Earth consortium		
LR	Molycorp Silmet		

No	1.1. Chemical Name	1.2. EC Number	1.3. CAS Number	1.4. Composition Type
	Cerium trifluoride	231-841-3	7758-88-5	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 REACH Annex VI and relevant Guidances for the purpose to identify the substance*

<b>2.1</b>	<b>Name or other Identifiers of the substance</b>	
	Cerium trifluoride	
<b>2.2</b>	<b>Information related to molecular and structural formula of the substance</b>	
	CeF <sub>3</sub>	
<b>2.3</b>	<b>Chemical Composition of the substance</b>	
<b>2.3.1</b>	<b>Main Constituent</b>	
	Cerium trifluoride (Concentration Range)	>80 % - 100 %
	Cerium trifluoride (Typical concentration)	>95%
<b>2.3.2</b>	<b>Impurity / Impurities (above 1% or lower if contributing to the hazard or PTB profile)</b>	
	All impurities > 1% are other inorganic oxides or other related inorganic substances, similar to the registered substance, which do not significantly affect its toxicological and ecotoxicological properties based on available data. All hazardous impurities are present at < 0.1%	
<b>2.3.3</b>	<b>Additive(s) (above 1% or lower if contributing to the hazard)</b>	
	no additives above 1% or contributing to the hazard	
<b>2.4</b>	<b>Suggestions for analytical and spectral methods to be used for substance sameness check</b>	
	Spectral data used	XRD, XRF
	Analytical data used	
<b>2.5</b>	<b>Substance Sameness Approval</b>	
	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.