

Version	Company	SUBSTANCE IDENTIFICATION PROFILE (SIP)
v.1	FARM Consortium	
[2010.02.20]		

No	1.1. Chemical Name	1.2. EC Number	1.3. CAS Number	1.4. Composition Type
				Mono-Constituent Substance

This Substance Identification Profile (SIP) is developed to represent the Identification parameters of the Substance described below in line with the Substance Identification requirements of REACH Annex VI and relevant Guidances for the purpose to identify the Substance sufficiently and non-discriminatory to meet the REACH requirements for Registration.

The SIP is developed by the above mentioned Consortium to the best of their knowledge to be used to agree upon being the same substance for the purpose of the Consortium.

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	Magnesium dinitrate	
2.1.1.b	Other International chemical name	Magnesium nitrate	
2.1.2.a	Chemical Name	Magnesium nitrate	
2.1.2.b	Abbreviation		
2.1.2.c	Other names	Magnesium (II) nitrate; magnesium saltpetre	
2.1.3.a	EC Number	233-826-7	
2.1.3.b	EC Name	Magnesium nitrate	
2.1.3.c	EC Description	N/A	
2.1.4.a	CAS Number	10377-60-3, 15750-45-5, 13446-18-9	
2.1.4.b	CAS Name	Magnesium nitrate, magnesium nitrate dihydrate, magnesium nitrate hexahydrate	
2.1.4.c	CAS Description		
2.1.5.a	IUBMB Number	Not for SIP	
2.1.5.b	INCI Number	Not for SIP	
2.1.5.c	Other Catalogue identifiers		
2.1.B	Substances (with core identifiers) also falling under this substance (with justification)		
2.1.6.a	Chemical Name	Not for SIP	
2.1.6.b	EC Number	Not for SIP	
2.1.6.c	CAS Number	Not for SIP	
2.1.7.a	Chemical Name	Not for SIP	
2.1.7.b	EC Number	Not for SIP	
2.1.7.c	CAS Number	Not for SIP	
2.2	Information related to molecular and structural formula of the substance		
2.2.1.a	Molecular Formula	HNO ₃ .1/2Mg	
2.2.1.b	Structural Formula	Mg ²⁺ O ⁻ -NO ₂ O ⁻ -NO ₂	
2.2.1.c	Smiles notation	O=(O)N[O-].[Mg+2].[O-]N(=O)=O	
2.2.2.a	Optical activity	Not for SIP	
2.2.2.b	Typical ratio of (stereo) isomers	Not for SIP	
2.2.3.a	Molecular Weight	148,31	
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	Magnesium nitrate	
2.3.1.b	CAS Number -Main Constituent	10377-60-3, 15750-45-5, 13446-18-9	
2.3.1.c	EC Number -Main Constituent	233-826-7	
2.3.1.d	Concentration range -Main Constituent - Lower value	> 80%	
2.3.1.e	Concentration range -Main Constituent - Upper value	≥ 99%	
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 PTB profile)		
2.3.2.a	Agreed strategy for Impurity profile on SIP	Each registrant will have to specify separately the impurities in the company-specific (confidential) part of the joint dossier	
2.4	Substance sameness checking procedure		
2.4.1	Agreed Spectral data to be used	Infrared (IR) and X-ray diffraction	

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2.4.2	Agreed Analytical Methods to be used	IC Ion Chromatography. Additional method: quantification of magnesium and NO ₃ -N content according to Regulation (EC) No 2003/2003	
2.4.3.a	Agreed Verification Method for sameness checking procedure (Consortium)		
2.4.3.b	Agreed conditions for the Verification Method (Consortium)		
2.4.3.c	Agreed Verification Method for sameness checking procedure (SIEF)		
2.4.3.d	Agreed conditions for the Verification Method (SIEF)		
2.4.4.a	Agreed role of the SIP in the SIEF		
2.4.4.b	Agreed person to be suggested as SIEF Formation Facilitator (if applicable)		
2.5	Approval of the SIP		
2.5.1	Agreed approval method for the sameness checking procedure using this SIP (Consortium)		
2.5.2	Agreed approval method for the sameness checking procedure using this SIP (SIEF)		

By signing or otherwise 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 sections 2.1 up to 2.3 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 to fulfil the requirements of the Verification Method described and agreed in the SIP Section 2.4 and takes the appropriate follow-up actions if the substance appears not to fall under the SIP agreed. He agrees that the final result of the Agreed Verification Method for sameness checking procedure is binding.

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.