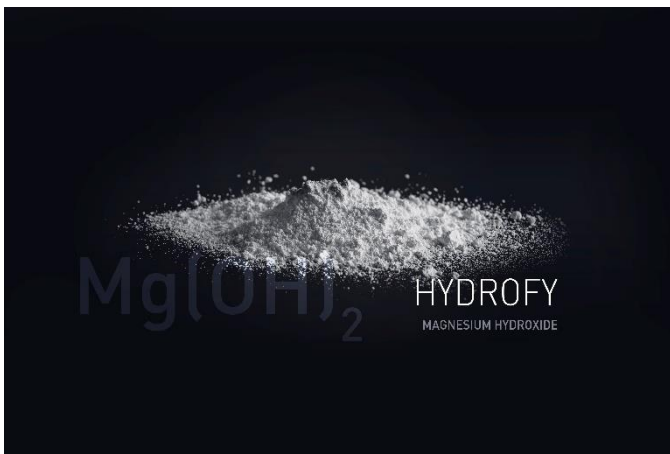


CLIMATE DECLARATION FOR HYDROFY G 2.5 (REFERENCE PRODUCT) OTHER PRODUCTS INCLUDED: HYDROFY GS 2.5 FROM NUOVA SIMA SRL

Functional unit: 1t of Hydrofy G 2.5 bulk

The climate declaration shows the emissions of greenhouse gases, expressed as CO₂-equivalents. It is based on verified results from a lifecycle assessment (LCA) performed as basis for an EPD®, in accordance with ISO 14025.



Information about the product

Hydrofy is the trademark of Magnesium Hydroxide flame retardant fillers. Nuova Sima has been one of the first companies in the world to manufacture Magnesium Hydroxide starting from natural minerals (i.e. brucite).

The use of Magnesium Hydroxide allows the production of Halogen Free Flame Retardant (HFFR) compounds with a very low emission of smoke. Thanks to its high thermal stability it can be used in a wide range of polymers, especially for the production of HFFR (Halogen Free Flame Retardant), PVC, flame retardant rubber compounds as well as for ACP (Aluminium Composite Panels), dry scrubbers for exhaust gases from vessels and power stations, fertilizers.

Information about the company

Nuova Sima is an experienced producer of fine milled fillers, Calcium Carbonate as general-purpose filler and Magnesium Carbonate, Magnesium Hydroxide, Aluminium Hydroxide as flame retardant fillers for

plastic materials, rubbers and paints. It is currently the biggest European producer of fine milled Natural Magnesium Hydroxide.

The commitment to research and innovation, and particular attention to the environmental impacts of its products, allows Nuova Sima to respond to the specific needs of its customers, and to improve consistently the quality of its results.

Climate declaration

The table below lists the emissions of greenhouse gases for the product in kg CO₂ eq. per 1t of Hydrofy G 2.5 bulk of product.

	Upstream	Core	Downstream*	Total
GWP - Fossil	2.29E+01	2.90E+02	1.51E+02	4.64E+02
GWP - Biogenic	3.44E-02	7.85E+00	1.47E-01	8.04E+00
GWP - Luluc	1.11E-02	1.40E-01	8.20E-02	2.33E-01
GWP - Total	2.29E+01	2.98E+02	1.51E+02	4.72E+02

*Results valid for Spain scenario.

Other environmental impacts

For the full EPD, see www.environdec.com.

Contact information

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EPD PROGRAMME: THE INTERNATIONAL EPD® SYSTEM		REGISTRATION NO: S-P-02702	VALIDITY: 2027-12-28
PCR: 2020:01	UN CPC: 15320	PCR REVIEW CONDUCTED BY: THE TECHNICAL COMMITTEE OF THE INTERNATIONAL EPD SYSTEM	
INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025: DNV BUSINESS ASSURANCE ITALY S.R.L.		ACCREDITED / APPROVED BY: ACCREDIA	
CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE			
THIS SINGLE-ISSUE EPD ONLY ADDRESSES ONE ENVIRONMENTAL IMPACT CATEGORY AND DOES NOT ASSESS OTHER POTENTIAL IMPACTS ARISING FROM THE PROVISION OF THIS PRODUCT. THESE ASPECTS MAY BE OF EQUAL OR GREATER IMPORTANCE THAN THE SINGLE IMPACT CATEGORY DISPLAYED.			