

DepolMAG

PRODUCT SHEET



Sustainable, Competitive & Innovative Injectable Reagent



An innovative *in situ* chemical reduction (ISCR) reagent, DepolMAG is the result of years of research at HYMAG'IN labs. Its efficiency in treating groundwater pollution makes this sustainable product the perfect reagent for the remediation of halogenated compounds and hexavalent chromium. Produced from the upcycling of ferrous waste through a patented process, DepolMAG leads the way towards a sustainable future.

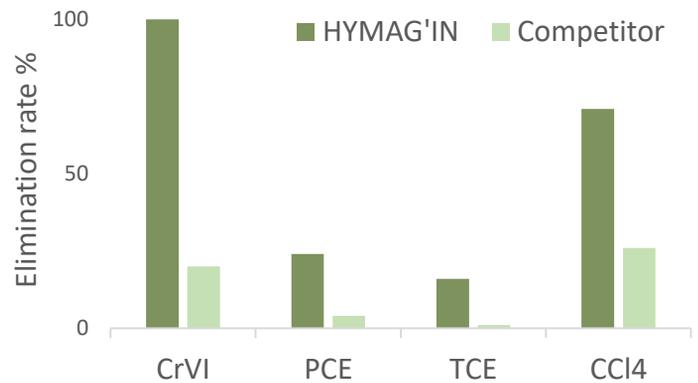
Chlorinated Compounds and Hexavalent Chromium

DepolMAG treats chlorinated solvents (CVOCs: PCE, TCE, CCl₄ etc.) and hexavalent chromium through a combination of chemical reduction and adsorption processes.

Our lab study highlights:

- Elimination rate up to 100% for CrVI, *i.e.* 5 times more effective than competitors
- Efficiency 2 to 5 times higher than zerovalent iron (ZVI) for the degradation of chlorinated compounds such as PCE, TCE and CCl₄

The fine particle size of DepolMAG (< 1 μm) will facilitate injection and significantly increase the radius of influence.



Heavy Metals



In addition to chemical reduction, DepolMAG also offers advanced adsorption properties. DepolMAG is able to capture heavy metals present in wastewater. High adsorption efficiency (up to 100%) has been observed for a dozen metals and metalloids.

Product Description

Ingredient name	Iron(II,III) oxide
CAS No.	1317-61-9
Empirical Formula	Fe ₃ O ₄
Purity	> 95 %
Average Particle Size (SEM)	0,2 – 1 μm
Specific Surface Area (BET)	10 – 20 m ² /g
Color	Black
Morphology	Spinel
Bulk Density	4,7 g/cm ³

Our offer



HYMAG'IN develops an innovative and sustainable process for the production of ultrafine magnetite. HYMAG'IN assists its customers in the formulation of tailor-made magnetite-based products.

contact@hymagin.com | www.hymagin.com

