



# "GrayWolf" W.Szwaja

Dane kontaktowe (*contact information*)

tel. (*phone*): +48 34 3256023

fax: +48 34 3256023

e-mail: [wojciech.szwaja@graywolf.pl](mailto:wojciech.szwaja@graywolf.pl)

website: [www.graywolf.pl](http://www.graywolf.pl)

ul. Wawrzynowicza 8/10

42-218 Częstochowa

Polska (*POLAND*)

NIP (*EU VAT No.*): PL5731127315

REGON: 241992561

## Product Data Sheet

# MagChem<sup>®</sup> 40

## Light Burned Technical Grade Magnesium Oxide

**DESCRIPTION** MagChem<sup>®</sup> 40 is a high purity, technical grade of magnesium oxide produced from magnesium-rich brine. This fine white powder has a high reactivity index and a low bulk density.

| <b>COMPOSITION</b>                                  | <b>Typical</b> | <b>Specification</b> |
|---|----------------|----------------------|
| Magnesium Oxide (MgO) %                             | 98.2           | 97.0 min.            |
| Calcium Oxide (CaO) %                               | 0.80           | 1.00 max.            |
| Silica (SiO <sub>2</sub> ) %                        | 0.35           | 0.50 max.            |
| Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) %      | 0.15           | 0.30 max.            |
| Aluminium Oxide (Al <sub>2</sub> O <sub>3</sub> ) % | 0.10           | 0.20 max.            |
| Chloride (Cl) %                                     | 0.35           | 0.50 max.            |
| Sulphate (SO <sub>3</sub> ) %                       | 0.05           | 0.30 max.            |
| Loss on Ignition %                                  | 2.30           | 3.00 max.            |

### PHYSICAL PROPERTIES

|  |      |           |
|--|------|-----------|
| % Passing 325 mesh                     | 99.5 | 99.0 min. |
| Bulk Density, loose, g/cm <sup>3</sup> | 0.35 |           |
| Median Particle size, microns          | 3-8  |           |
| Surface area, m <sup>2</sup> /g        | 45   |           |
| Activity index, CMA*, seconds          | 9    | 7 - 11    |

\*CMA = Caustic Magnesia Activity



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|                  |  |
|------------------|--|
| <b>PACKAGING</b> | Available in 25 kg multi-walled bags and big bags on shrink wrapped pallets, on request. |
|------------------|--|

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This product is produced by Martin Marietta Magnesia Specialties, LLC and distributed in Poland by "GrayWolf" W.Szwaja in cooperation with M.A.F. Magnesite B.V.

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