

Technical datasheet

Ecopiren® 10

Ecopiren® 10 is a fine-milled powder of magnesium hydroxide that is produced from mining and processing (milling and classification) of natural magnesium hydroxide in its mineral form brucite. The product is used in various industrial applications including flame retardants, water treatment, flue gas treatment, fillers and building materials and in agricultural applications.

Ecopiren® is a registered trade mark of Russian Mining.

Chemical Analysis:	Typical value	specification
MgO by difference	63,0 %	62,0 min
Mg(OH) ₂ calculated from MgO	92,0 %	90,0 min
CaO (Calcium Oxide)	2,8 %	3,5 max
SiO ₂ (Silicon Oxide)	2,5 %	3,5 max
Fe ₂ O ₃ (Iron (III) Oxide)	0,15 %	0,35 max
LOI (loss of ignition)	30 - 33 %	
Moisture		0,5 max

Physical Properties:

Appearance	White powder	
Bulk density (EN 459-2)	690 g / l	
Granulometry: D 50 %	9 - 12 µm	
Sieving on 100 µm		min 99,9 % passing

Packaging:

- 25 kg paper bags with PE liner
- 1000 kg Big Bags

Storage: The product must be stored in dry conditions and protected from moisture and air with PE-foil. Magnesium hydroxide rapidly attracts carbon dioxide and moisture from air. Therefore always re-seal full, partly used pallets and single bags with PE-foil. Shrink- or wrapping foil cover of pallets is necessary during storage.

Shelf life: Guaranteed for 6 months from production date when stored under above storage conditions.

Other information:

- All information is based on data available at the date of issue.
- This datasheet is an uncontrolled copy which will not be updated automatically.
- No guaranty is implied or expressed regarding the use of the product, since the conditions for use are beyond our control.