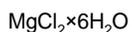


**BISCHOFITE (MAGNESIUM CHLORIDE)**

(magnesium chloride 6-hydrate, magnesium chloride hexahydrate)

TU 2152-002-93524115-2010 with rev. 1-3

## CHEMICAL FORMULA:

**APPEARANCE:**

White to light-gray pellets or flakes with yellowish to light-brown shades.

**SPECIFICATIONS:**

INDICATOR NAME	VALUE
Content of magnesium ions ( $\text{Mg}^{2+}$ ), wt%, min.	11.8
Content of magnesium ions ( $\text{Mg}^{2+}$ ) expressed as $\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$ , wt%, min.	97
Content of calcium chloride expressed as calcium oxide (CaO), wt%, max.	0.1
Content of sulfates expressed as sulfate ion, wt%, max.	0.1
Content of alkali metal ions ( $\text{Na}^+ + \text{K}^+$ ), wt%, max.	0.8
Content of water-insoluble residue, wt%, max.	0.2

**USES:**

In construction for production of magnesia cements (Sorel cements), glass magnesium boards, magnesite slabs, glass-magnesium tiles, foamed concrete (foamed magnesite), gas concrete (gas magnesite) based on magnesite cement. In oil and gas industry as a component of drilling fluids and kill muds. In chemical industry for the production of magnesium-containing compounds, including magnesium oxide, hydroxide and metal, synthetic hydrotalcite, synthetic rubbers and thiocol, as well as refractory materials and magnesium-chlorate defoliant. In textile industry for stabilization in dyeing process. In agriculture as a fertilizer. Also used for dust suppression, for treatment of sewage and industrial wastewaters, for production of abrasive materials and as a deicer.

**PACKAGING:**

Polyethylene and polypropylene bags with a net weight of 25 kg, special big bags with a net weight of 0.5 kg to 1 t, including customized bags. Upon agreement with the customer, other packaging types can be used provided that they guarantee the absolute safety of the products and do not compromise their quality.

**TRANSPORTATION AND STORAGE:**

Bischofite can be shipped by all means of transportation in accordance with the shipping rules applicable for the particular means of transportation. Bischofite should be stored in covered warehouses or in storage areas protected from exposure to humidity and direct sunlight. Guaranteed shelf life is 12 months from the manufacture date.

**SPECIAL PROPERTIES:**

Non-toxic, non-flammable and non-explosive, hazard class – 3.

**CONTACTS:**

Phone: +7 (8442) 40-66-09, 40-66-11; fax: +7 (8442) 40-66-10; e-mail: ves@kaustik.ru