

## SODA ASH LIGHT

### PROPERTIES

	Top	I	II
Sodium Carbonate, %, min	99.4	99.0	99.0
Sodium Carbonate as non-ignited product, %, min	98.9	98.2	97.5
Loss on ignition at 270-300°C, %, max	0.5	0.8	1.5
Chloride as NaCl, %, max	0.4	0.5	0.8
Iron as Fe <sub>2</sub> O <sub>3</sub> , %, max	0.003	0.003	0.008
Water insolubles, %, max	0.03	0.04	0.08
Sulphate as Na <sub>2</sub> SO <sub>4</sub> , %, max	0.04	0.05	—

### HAZARD IDENTIFICATION AND SAFETY REQUIREMENTS

Causes irritation to the eyes and moist skin.

### TRANSPORTATION AND PACKING

Soda ash is packed in 25-kg (light soda ash) polypropylene bags, 700-kg (light soda ash) or 1000-kg (dense soda ash) big bags. Soda ash is transported in bulk by soda tank cars and hoppers; by rail – in open top or covered wagons; by sea – in 20 and 40-foot containers.

### APPLICATION

Soda ash is used in a variety of industries. The analysis of soda ash consumption in Russia demonstrates that it is mainly used in glass production, which makes up 58% of the total soda ash consumption in Russia. Moreover, sodium carbonate is widely used in non-ferrous metallurgy, the chemical industry, as well as in pulp and paper industry.