



LITHIUM CHLORIDE

Rosatom Chemical specializes in the development and production of chemical products and technologies across a wide range of fields.

Rosatom Chemical is a manufacturer of granulated lithium chloride.

Lithium chloride is a dry, free-flowing granular substance of white color. It is used in the production of filler materials for welding electrodes. Additionally, lithium chloride is a component of modifier flux mixtures in non-ferrous alloy metallurgy, as well as in pharmacology. It can be produced according to custom specification requirements.

APPLICATION AREAS



Lithium chloride is used in the production of components for welding electrode filler materials. Additionally, lithium chloride is part of modifier flux mixtures in non-ferrous metal alloy metallurgy. This lithium compound is also utilized in pharmacology.

Chemical composition	Mass fraction ≥ min %	Mass fraction of impurities ≤ max %									
		LiCl	K+Na	Ca	F	SO ₄	Al	Si	PO ₄	OH	Pb
ЛХ1 %											
99,5	99,5	0,04	0,01	0,001	0,05	0,005	0,002	0,05	0,02	0,003	

Available for production according to customer specifications.

PACKAGING

Lithium chloride is packaged in a 65-liter drum with a single polyethylene liner bag with thickness of at least 0.15 mm. The drum is sealed with a lid and a clamping ring. The maximum net weight of the product in the drum is 70 kg. Other types of packaging may be used upon agreement with the customer, provided they comply with the regulations for the transportation of hazardous materials and the applicable legal requirements for the mode of transport use.





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LITHIUM HYDRIDE CRYSTALLINE

Rosatom Chemical is a manufacturer of lithium hydride crystalline.

Lithium hydride crystalline is supplied with a particle size fraction of ≤ 5 mm and can be produced to meet custom specification requirements.

APPLICATION AREAS



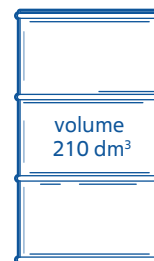
It is used as a strong reducing agent in organic synthesis. It is applied for reducing the moisture content of substances and as a neutron moderator in nuclear energy systems. As a powerful reducing agent, it is involved in various synthesis reactions of other compounds. Also can be used as a hydrogen source for inflating airship envelopes and emergency flotation equipment.

Chemical composition	Grade LHC-1	Grade LHC-2
Mass fraction of lithium hydride, %	98 min	97 min
Mass fraction of impurities, %		
Na, K, Ca, Mg, Mn, Fe, Al, Si and nitride nitrogen, %	0,2 max	0,3 max

Available for production according to customer specifications.

PACKAGING

Packed in a double bag made of polyethylene film with a thickness of at least 0.15 mm or in an aluminum-laminated film bag. The bags are then placed into a polyethylene bag, which is pre-loaded into a transport container – a 160 dm³ drum or a 210 dm³ steel barrel.



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