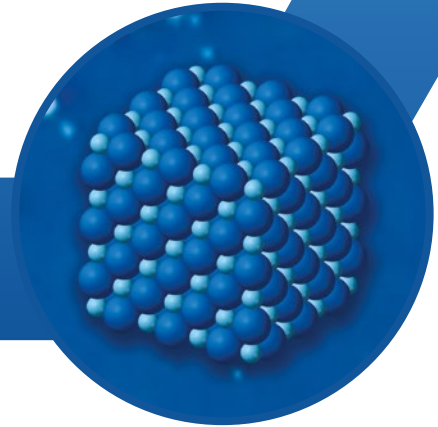




TVEL
ROSATOM

Russian Federation,
Moscow, TVEL
www.tvel.ru



LITHIUM SALTS

GRANULATED LITHIUM CHLORIDE

Fuel Company of ROSATOM TVEL is a manufacturer of granulated lithium chloride

SCOPE OF APPLICATION

Lithium chloride is a granulated white substance in dry bulk.



Lithium chloride is used for the production of components that are part of welding electrode filler materials. In addition, lithium chloride is part of modifying fluxes in non-ferrous metal alloy production. This lithium compound is also used in pharmacology.

Chemical composition	LiCl-1
Weight percentage of LiCl. %	99.5 min
Weight percentage of impurities. %	
Potassium + Sodium	0.04 max
Calcium	0.01 max
Ferrum	0.001 max
Aluminum	0.005 max
Silicon	0.002 max
Alkalis (OH)	0.02 max
Sulphates (SO ₄)	0.05 max
Lead	0.003 max
Phosphates (PO ₄)	0.005 max

Custom manufacture is also possible.

PACKAGING

Lithium chloride is packed in 65-liter barrels with one liner bag made of 0.15 mm thick polyethylene film. Each barrel is closed by a lid with a tightening hoop.

The maximum net weight of the product in a barrel is 70 kg. As agreed with a customer, other types of packages can be used, for as long as they meet the Transportation of Dangerous Goods requirements applicable to the type of transport used.



CRYSTALLINE LITHIUM HYDRIDE



SCOPE OF APPLICATION

Lithium hydride is a lithium compound with hydrogen atoms.



It is used as a strong reducing agent in organic synthesis, decreasing the moisture level in substances as a particle moderator in nuclear power systems. It is also used in various synthesis reactions for other substances. It can be used as a source of hydrogen for filling balloon gondolas and inflating rescue equipment.

Chemical composition	Model LHC-1	Model LHC-2
Weight percentage of lithium hydride, %	98 min	97 min
Weight percentage of impurities, %		
Na, K, Ca, Mg, Mn, Fe, Al, Si and nitrogen nitride, %	0.2 max	0.3 max

Custom manufacture is also possible.

Lithium hydride is a grain of no more than 5 mm in size. It is possible to manufacture a product with a size of crystal no more than 100 microns.

PACKAGING

It is packed in a double bag of polyethylene film 0.15mm thick or more or in a bag of aluminum laminated film.

The bags are packed in a polyethylene bag enclosed in a 160 dm³ transport container (drum) or in a 210 dm³ steel barrel.

