

LITHIUM HYDROXIDE MONOHYDRATE TECHNICAL GRADE

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| CAS No. | 1310-66-3 |
| Formula | LiOH·H₂O |
| Appearance | White free-flowing crystals |

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| Specification | LiOH, wt% | 56.5 | Min |
| | CO ₂ , wt% | 0.35 | Max |
| | NaOH, wt% | 0.05 | Max |
| | Cl, wt% | 0.02 | Max |
| | SO ₄ , wt% | 0.05 | Max |
| | CaO, wt% | 0.03 | Max |
| | Fe ₂ O ₃ , wt% | 0.003 | Max |
| | Acid Insolubles wt% | 0.01 | Max |

Material can be produced as per customers specification.

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| Physical Properties | Molecular weight | 41.96 g/mol |
| | Density at 20°C | 1.51 g/cm ³ |
| | Bulk density | Approx 0,9 g/cm ³ |
| Melting point | 462 °C | |

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| Water Solubility | Temperature (°C) | g LiOH in 100 g H ₂ O |
| | 20 | 21.6 |
| | 40 | 22.0 |
| | 60 | 23.1 |
| | 80 | 25.6 |
| | 100 | 29.6 |

Shipping Containers 25kg bags, 500kg or 1000 kg Big Bags

Shipping Limitations Shipments of lithium hydroxide are described as “Lithium Hydroxide, UN 2680.” All shipments are Hazard Class 8 and require “Corrosive”

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| Parcel, Air | Restricted quantities | |
| Sea | Class 8 | (IMDG) |
| Road, Rail | Class 8.41 b | (RID/ADR) |