

<i>n</i> -Butyllithium in Hexane (Minimum	1 85% Active Solution	1)	CAS No. 1	109-72-8	
QS-PDS-036 Revision: 04			Date of Las	t Revision: June 12, 2024	
Formula:	CH ₃ CH ₂ CH ₂ CH ₂ -Li				
Appearance:	Light yellow to dark amber, clear to cloudy.				
A un line tiens	Depretention and match hale non-avabance reactional symthesis of				
Application:	Deprotonation and metal–halogen exchange reactions; synthesis of solution styrene butadiene rubber and of styrenic thermoplastic				
	elastomers. Also used for synthesis of chemical intermediates.				
Product Specifications:	<i>n-</i> Butyllithium, wt. %	, 1	85.0	min	
	Carbon Bound Lithium, wt. %		97	min	
	*This product can be made to agreed upon customer specifications.				
Other Data:	Solvent	Hexa	ane		
Physical Properties:	0		64.06 646 g/L (5.39 lb/gal)		
	Pyrophoricity		Pyrophoric		
	Density @ 20°C	0.76	g/mL (6.34	lb/gal)	
Solubility:	n Butullithium is missible in all proportions with alighetic, aromatic				
Colubinty.	and ethereal solvents; however, there is some reactivity with the latter				
	two solvent types.				
Thermal Stability:	At 25°C and 35°C, the average decomposition rates were 0.011 and 0.102 wt. % per day, respectively. Recommended storage: 10°C or lower and preferably at 0°C.				
				storage: 10ºC or	
Toxicity / Safety Data / Handling / Storage / Disposal:	Information on toxicity, safety, handling, storage and disposal is contained in the Safety Data Sheet (SDS) for this product				
Handling / Storage / Disposal.	contained in the Safety Data Sheet (SDS) for this product.				
Shipping Containers:	Bulk Containers	2,000 – 22,000 L (35,000 also available in EU only) #20 – 440 L			
	Cylinders				
	Glass Bottles	125 mL, 500 mL,	1L		



Shipping Limitations: Shipments of NBL are described as "ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-REACTIVE (N-BUTYLLITHIUM, HYDROCARBON SOLUTION), 4.2 (4.3), UN 3394, PG I". Shipments require "Spontaneously Combustible" and "Dangerous When Wet" labels.

Post, Parcel, Air	Not acceptable	
Sea	Class 4.2 (4.3)	(IMDG)
Road, Rail (USA)	Class 4.2 (4.3)	(DOT)
Road, Rail (EU)	Class 4.2 (4.3)	(RID/ADR)

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