

<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 <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> -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)

PRIVATE & CONFIDENTIAL © 2024 Arcadium Lithium. All rights reserved.

The information contained herein is, to our knowledge, true and accurate as of the Date of Last Revision listed on the Product Data Sheet. While this material is furnished in good faith, no warranty expressed or implied, of merchantability, completeness, fitness or otherwise is made. This material is offered only for your consideration, investigation and verification, and Arcadium disclaims any liability incurred from the use thereof and shall not in any event, be liable for any special, incidental or consequential damages arising from such use. This information is not intended to be all inclusive and the manner and conditions of use and handling of any material may involve other or additional considerations precision to the use or user. Nothing herein should be construed as permission or recommendation to infringe any patent or as to any specific use. No agent, representative or employee of this company is authorized to vary any term of this notice. The information contained within the material may change with the passage of time, and you should consult Arcadium's website on a regular basis for important updates.