



PRODUCT SPECIFICATION

EP 055

REV 03

IDENTIFICATION

Chemical name	Caustic Soda Solution 49/50%
Formula	NaOH
CAS Number	1310-73-2

PHYSICAL - CHEMICAL CHARACTERISTICS

Appearance	Viscous, colorless to slightly grayish liquid			
Characteristic	Unit	Minimum	Maximum	Method
Concentration	%	49.0	-	IT.CQ-0017
Density	g/mL	1.500	-	
Carbonates (m/m NaCl)	%	-	0.2	Manufacturer's Specification
Chlorides (m/m NaCl)	%	-	1.2	
Iron (Fe)	ppm		8.0	

MAIN APPLICATIONS

Paper/cardboard, soap and detergents, adhesives, beverages, food, pharmaceuticals, oils and fats, ceramics, rubber, tanning, electroplating, laundries, mining and general chemical industries.

OTHER INFORMATION	
UN No.	1824
Risk No.	80
Packaging	In bulk, IBC's or in polyethylene drums
Cautious	Highly corrosive product. Skin contact can cause serious injury. Alkaline product, absorbs moisture from the air. Reacts violently with acids and, with water, causing an exotherm. Use PPE's: safety glasses, gloves, boots and PVC apron.
Storage	Store the product in a cool, ventilated place, away from the sun and humidity.
Validity	Six months depending on ideal storage conditions.
Legal requirements	Product controlled by the Federal and Civil Police- FP and CP.

	Code	Description
Technical Specifications	127.01.0	Caustic Soda Solution 49/50%
	127.01.2	Caustic Soda Solution 49/50%- IT
	153.74.0	Caustic Soda Solution 49/50% USVD
	153.74.2	Caustic Soda Solution 49/50% USVD - IT

HISTORY OF CHANGES		
Date	Revision	Comments of Changes
2013-08-10	03	Update of the document layout, the technical instruction for product analysis, the person responsible for approving the specification and storage conditions.
-	04	Revision of the form due to approval via the Qualiex system. Inclusion of omega codes. Unification of EP056 Specifications.