

Alaska Zyanate

SPECIFICATION

Product: SODIUM CYANATE

PHYSICAL PROPERTIES

Specification	Unit	Value	Value
Name	-	Sodium Cyanate Min 90% (Cyanic acid Sodium Salt)	Sodium Cyanate Min 96% (Cyanic acid
C.A.S. No		917-61-3	917-61-3
Molecular Weight	-	65.01	65.01
Description	-	White to Off white Free Flowing	White to Off white Free Flowing
Melting Point	°C	550	550
Density	g / cm ³	1.893	1.893
Solubility	g/100g H ₂ O	3 g /100g H ₂ O	10 g /100g H ₂ O

CHEMICAL PROPERTIES

Chemical Formula	-	NaOCN	NaOCN
Purity	%	Min 90.00%	Min 96.00%
Carbonate Content as Na ₂ CO ₃	%	Max 10.00%	Max 4.00%
Loss on Drying (at 110°C)	%	Max 0.50	Max 0.50
PH of Solution in H ₂ O (5 wt %)	%	10.0 to 11.0	10.0 to 11.0

Shelf Life

36 Months from Manufacture Date

Storage

Ambient Condition

Alaska Zyanate

Packaging

Parameter	Specification	Pack Size
Packing	· HDPE bag/drum with inner PE liner	· 25Kg / 50 Kg Net
	· Paper Bags	· 25 Kg / 50 Kg Net
	· Jumbo Bags	□ 400 – 1000 Kg Net

APPLICATION

Industry	Application
Metallurgy	Steel hardening, nitrocarburizing
Organic synthesis	Ureas, carbamates, isocyanates
Pharmaceuticals	Drug & bulk-drug intermediates
Agriculture	Herbicides, nitrogen source
Dyes & textiles	Dyestuff intermediates
Photography	Chemical initiators
R&D	Laboratory reagent
