

# Alaska Zyanate

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## SPECIFICATION

Product: POTASSIUM CYANATE

### PHYSICAL PROPERTIES

Specification	Unit	Value	Value
Name	-	Potassium Cyanate Min 85% (Cyanic acid Potassium Salt )	Potassium Cyanate Min 95% (Cyanic acid Potassium Salt )
C.A.S. No		590-28-3	590-28-3
Molecular Weight	-	81.12	81.12
Description	-	White Free Flowing	White Free Flowing
Melting Point	°C	315	315
Density	g/cm <sup>3</sup>	2.056	2.056

### CHEMICAL PROPERTIES

Chemical Formula	-	NaOCN	NaOCN
Purity	%	Min 85.00%	Min 95.00%
Carbonate Content as K <sub>2</sub> CO <sub>3</sub>	%	Max 15.00%	Max 5.00%
Loss on Drying ( at 110°C )	%	Max 1.00	Max 1.00
PH of Solution in H <sub>2</sub> O ( 5 wt % )	%	10.0 to 11.0	10.0 to 11.0

### Shelf Life

36 Months from Manufacture Date

### Storage

Ambient Condition

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## Packaging

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

## APPLICATION

Industry / Area	Application
Organic synthesis	Urea derivatives, carbamates, hydantoins
Pharmaceuticals	Drug intermediates, protein carbamylation
Metallurgy	Heat treatment, nitrocarburizing
Laboratory use	Research reagent
Agriculture	Limited / historical herbicide use
Specialty chemicals	Intermediate manufacturing

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