



ALKALI METALS LTD.,

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AN ISO 9001 : 2000 & 14001 COMPANY



Manufacturers of Sodium Amide, Sodium Alkoxides, Sodium Hydride, Sodium Azide, Tetrazoles, Amino Pyridines, Pyridine Derivatives, Cyclic Compounds, Fine Chemicals, Oleo Chemicals & Oleoresins

PRODUCT	SODIUM AZIDE
Synonyms	--
CAS No.	[26628-22-8]
UN No.	1687
CLASS	6.1
Pkg. Gr.	II
Hazard	Toxic
Molecular Formula	NaN ₃
Formula weight	65.01
Structure	Na — N = N ≡ N

CHARACTERISTICS	UNITS	SPECIFICATIONS	
		CHEMICAL / PHARMA GRADE	AIRBAG GRADE
Appearance	---	White crystalline powder without visible extraneous matter	White crystalline free flowing powder
Assay as NaN ₃	% w/w	99.5 Min.	99.0 Min.
p ^H	---	9 Min.	9 Min.
Moisture (LOD)	% w/w	0.1 Max.	0.1 Max.
Alkalinity as NaOH	% w/w	0.1 Max.	0.1 Max.
Chlorides as NaCl	PPM	Nil	500 Max.
Sulphates as BaSO ₄	PPM	Nil	500 Max.
Nitrates as NaNO ₃	PPM	Nil	500 Max.
Water Insolubles	% w/w	0.05	0.2-0.7
Iron as Fe	PPM	10 Max.	500 Max.
Heavy Metals	PPM	20 Max.	25 Max.
Fumed Silica (anticaking agent)	% w/w	Nil	0.2-0.5
Particle Distribution	Microns	---	100 – 650 (95%)

Note: Chemical grade material tends to cake as anticaking agent is not added.

Applications :-

Lead Azide, Tetrazoles and air bag inflator.

Packaging:-

Packed in double layer polythene bags each holding 25 kg with 6 such packs in one ring lock steel container with full openable lid. OR 25 / 50 Kgs in steel / HDPE drums on specific request. Each drum carries MSDS.

Labelling:-

Drum is sealed and labelled as per UN regulations with a label showing manufacturer's name & address, net wt., gross wt, pkg. No., Batch No. and Hazard label.