





Product Specification

cdhfinechemical.com

SODIUM NITRATE AR/ACS

PRODUCT CODE	645075	
SYNONYMS	--	
C.I. NO.	--	
CASR NO.	(7631-99-4)	
ATOMIC OR MOLECULAR FORMULA	NaNO ₃	NaNO ₃
ATOMIC OR MOLECULAR WEIGHT	84.99	
PROPERTIES	Saline, slightly bitter taste. Decomposes at 380°C.	
PARAMETER	LIMIT	
Description	White to off white crystals/crystalline powder.	
Solubility	10% solution in water is clear and colourless.	
Minimum Assay (ex NO ₃)	99.5%	
pH (5% aqueous solution)	5.0 - 7.5	
MAXIMUM LIMIT OF IMPURITIES		
Insoluble matter	0.005%	
Chloride (Cl)	0.0005%	
Iodate (IO ₃)	0.0005%	
Nitrite (NO ₂)	0.001%	
Phosphate (PO ₄)	0.0005%	
Sulphate (SO ₄)	0.003%	
Calcium (Ca)	0.002%	
Iron (Fe)	0.0003%	
Heavy metals (Pb)	0.0005%	
Note(s) : Assay (if applicable) method mentioned.		
WARNING Hazard statements : May cause respiratory irritation. May intensify fire; oxidizer.Harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation. Precautionary statements Prevention : Do not eat, drink or smoke when using this product. Wash handsthoroughly after handling. Keep away from heat. Take any precaution to avoid mixing withcombustible or incompatible materials. Response : If skin irritation occurs, seek medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy todo. Continue rinsing. If eye irritation persists, get medical advice/attention. Wear eye/faceprotection. Specific treatment: refer to Label or MSDS.		IMDG Code : 5.1/III UN No. : 1498 IATA : 5.1
Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.		
Hazard Pictogram(s) :		
<div><div></div><div></div></div> <div><div>GHS03</div><div>GHS07</div></div>		

Replace date 06-Jan-2026