

SODIUM NITRATE AR/ACS

NaNO3

PRODUCT CODE	645075
SYNOMYS	--
C.I. NO.	--
CASR NO.	(7631-99-4)
ATOMIC OR MOLECULAR FORMULA	<chem>NaNO3</chem>
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 <chem>NO3</chem>)	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	<p>Hazard statements : May cause respiratory irritation. May intensify fire; oxidizer. Harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation.</p> <p>Precautionary statements</p> <p>Prevention : Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Keep away from heat. Take any precaution to avoid mixing with combustible or incompatible materials.</p> <p>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 to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Wear eye/face protection. Specific treatment: refer to Label or MSDS.</p>
	<p>IMDG Code : 5.1/III</p> <p>UN No. : 1498</p> <p>IATA : 5.1</p>
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) :	
  GHS03 GHS07	

Replace date 06-Jan-2026