

POTASSIUM NITRITE AR/ACS

PRODUCT CODE	614805
SYNOMYS	--
C.I. NO.	--
CASR NO.	(7758-09-0)
ATOMIC OR MOLECULAR FORMULA	KNO ₂
ATOMIC OR MOLECULAR WEIGHT	85.11
PROPERTIES	KNO ₂ Deliquescent. Insoluble in alcohol. Decomposition starts at 350°C.
PARAMETER	LIMIT
Description	White to slightly yellow with a tan cast crystals or powder.
Solubility	Soluble in water.
pH (of 5% soln.in water)	7 - 10
Minimum Assay (Redox titration)	97.0%
MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter	0.01%
Chloride (Cl)	0.03%
Sulphate (SO ₄)	0.005%
Calcium (Ca)	0.003%
Copper (Cu)	0.0005%
Iron (Fe)	0.0005%
Heavy Metals (Pb)	0.0005%
Magnesium (Mg)	0.002%
Sodium (Na)	0.5%
Note(s) : Assay (if applicable) method mentioned.	
DANGER	IMDG Code : 5.1/II UN No. : 1488 IATA : 5.1
Hazard statements : May cause respiratory irritation. May intensify fire; oxidizer. Toxic if swallowed. Causes mild skin irritation. Causes serious eye irritation. Very toxic to aquatic life	
Precautionary statements	
Prevention : Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take any precaution to avoid mixing with combustible or incompatible materials. Keep away from heat.	
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. IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician	
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	
 GHS06	
 GHS09	

Replace Date 22-Jan-2026