



# Product Specification

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## NICKEL (II) NITRATE (HEXAHYDRATE) AR

PRODUCT CODE	593745	
SYNONYMS	[Nickel (II) nitrate hexahydrate]	
C.I. NO.	--	
CASR NO.	(13478-00-7)	
ATOMIC OR MOLECULARFORMULA	Ni(NO <sub>3</sub> ) <sub>2</sub> .6H <sub>2</sub> O	<b>Ni(NO<sub>3</sub>)<sub>2</sub>.6H<sub>2</sub>O</b>
ATOMIC OR MOLECULARWEIGHT	290.79	
PROPERTIES	Melting point 55°C	

PARAMETER	LIMIT
Description	Green crystals/crystalline powder.
Solubility	10% solution in water is bright and clear.
Minimum Assay (complexometric)	99.0%

### MAXIMUM LIMIT OF IMPURITIES

Chloride (Cl)	0.001%
Sulphate (SO <sub>4</sub> )	0.005%
Ammonium (NH <sub>4</sub> )	0.05%
Lead (Pb)	0.001%
Copper (Cu)	0.001%
Cobalt (Co)	0.005%
Zinc (Zn)	0.001%
Iron (Fe)	0.001%
Calcium (Ca)	0.005%
Sodium (Na)	0.005%

**Note(s):** Assay (if applicable) method mentioned.

#### DANGER

**Hazard statements :** May cause respiratory irritation. May intensify fire; oxidizer. Harmful if inhaled. Harmful if swallowed. Causes skin irritation. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. May cause cancer by inhalation. May damage the unborn child. Causes damage to organs through prolonged or repeated exposure by inhalation. Causes serious eye damage. Very toxic to aquatic life with long lasting effects

#### Precautionary statements

**Prevention :** Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Do not breathe dust/fume/gas/mist/ vapours/ spray. Use only outdoors or in a well ventilated area. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Obtain special instructions before use. In case of inadequate ventilation wear respiratory protection. Contaminated clothing should not be allowed out of the workplace. 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.

**Response:** Wear eye/face protection. If eye irritation persists, get 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 skin irritation occurs, seek medical advice/attention. If experiencing respiratory symptoms call a POISON CENTER or doctor/physician. Specific treatment: refer to Label or MSDS. If exposed or concerned: Get medical attention advice. IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Wash contaminated clothing before reuse. Wash/Decontaminate removed clothing before

IMDG Code : 5.1/III  
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IATA : 5.1

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reuse. Remove/Take off immediately all contaminated clothing. IF ON SKIN: Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. Get medical advice/attention if you feel unwell. If skin irritation or rash occurs, seek medical advice/attention. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor / physician if you feel unwell.

**Disposal:** Dispose of contents and container in accordance with relevant legislation.

**Hazard Pictogram(s) :**



GHS03



GHS05



GHS07



GHS08



GHS09