

# Product Data Sheet

## (3N) 99.9% Aluminum Nitrate Solution

Product Code: AL-NAT-03-SOL

**Formula:**  $\text{Al}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$

**CAS No.:** 7784-27-2

**EC No.:** 236-751-8

**MDL:** MFCD00149132

### Chemical Identifiers

Linear Formula	$\text{Al}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$
MDL Number	MFCD00149132
EC No.	236-751-8
Beilstein Registry No.	N/A
Pubchem CID	24567
IUPAC Name	aluminum; trinitrate; nonahydrate
SMILES	<chem>[N+](=O)([O-])[O-].[N+](=O)([O-])[O-].[N+](=O)([O-])[O-].O.O.O.O.O.O.O.O.O.[Al+3]</chem>
Inchl Identifier	InChI=1S/Al.3 NO3.9H2O/c; 3*2-1(3)4;;;;;;;;;;;/h;;;;;9*1H2/q+3;3*-1;;;;;;;;;;
Inchl Key	SWCIQHXIXUMHKA-UHFFFAOYSA-N

**Total Metal Impurities:** 0.1% max.

### Packaging Specifications

Typical bulk packaging includes palletized plastic 5 gallon/25 kg. pails, fiber and steel drums to 1 ton super sacks in full container (FCL) or truck load (T/L) quantities. Research and sample quantities and hygroscopic, oxidizing or other air sensitive materials may be packaged under argon or vacuum. Shipping documentation includes a Certificate of Analysis and Safety Data Sheet (SDS). Solutions are packaged in polypropylene, plastic or glass jars up to palletized 440 gallon liquid totes, and 36,000 lb. tanker trucks.

**Documentation**

A Certificate of Analysis and Materials Safety Data Sheet (SDS) in accordance with EN 10204 are supplied with every shipment.