

# Product Data Sheet

**(4N) 99.99% Aluminum Sodium Sulfate Dodecahydrate**

**Product Code: AL-NAS-04-C.12HYD**

**Formula:**  $\text{AlNa}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$

**CAS No.:** 7784-28-3

**EC No.:** 233-277-3

**MDL:** N/A

## Chemical Identifiers

<b>Linear Formula</b>	$\text{AlNa}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$
<b>MDL Number</b>	N/A
<b>EC No.</b>	233-277-3
<b>Beilstein Registry No.</b>	N/A
<b>Pubchem CID</b>	24568
<b>IUPAC Name</b>	aluminum; sodium; disulfate; dodecahydrate
<b>SMILES</b>	<chem>[Al+3].[Na+].[O-]S(=O)(=O)[O-].[O-]S([O-])(=O)=O.O.O.O.O.O.O.O.O.O.O.O.O</chem>
<b>Inchl Identifier</b>	InChI=1S/Al.Na.2H2O4S.12H2O/c;;2*1-5(2,3)4;;;;;;;;;;/h;;2*(H2,1,2,3,4);12*1H2/q+3;+1;;;;;;;;;;/p-4
<b>Inchl Key</b>	ZEMWIYASLJTEHQ-UHFFFAOYSA-J

**Total Metal Impurities:** 0.01% 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.