

# Product Data Sheet

**(5N) 99.999% Yttrium(III) Nitrate Hexahydrate**

**Product Code: Y3-NAT-05-C.6HYD**

**Formula:**  $Y(NO_3)_3 \cdot 6H_2O$

**CAS No.:** 13494-98-9

**EC No.:** 233-802-6

**MDL:** MFCD00149940

## Chemical Identifiers

<b>Linear Formula</b>	$Y(NO_3)_3 \cdot 6H_2O$
<b>MDL Number</b>	MFCD00149940
<b>EC No.</b>	233-802-6
<b>Beilstein Registry No.</b>	N/A
<b>Pubchem CID</b>	166833
<b>IUPAC Name</b>	yttrium; trinitrate; hexahydrate
<b>SMILES</b>	<chem>[N+](=O)([O-])[O-].[N+](=O)([O-])[O-].[N+](=O)([O-])[O-].O.O.O.O.O.O.[Y+3]</chem>
<b>Inchl Identifier</b>	InChI=1S/3NO3.6H2O.Y/c3*2-1(3)4;;;;;;;;;h;;;6*1H2;/q3*-1;;;;;;;;;+3
<b>Inchl Key</b>	QBAZWXKSCUESGU-UHFFFAOYSA-N

**Total Metal Impurities:** 0.001% 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.