

Note: 000102

Overview

Number	000102
Description	Anhydrous Ammonia Quantity Conversions
Version	1 from 09.02.2022
Status	Released to Customer
Language	EN
Responsible	Guido Jager
Product	BCP
Category	Advanced Development

Symptom

N/A

Cause

There is a growing need expressed by QuantityWare customers - running complex integrated refining an production sites - to define logistics processes in their SAP systems for anhydrous ammonia.

Solution

A [national standard document](#) from [Measurement Canada](#), based on experimental data, is available for the liquid phase anhydrous ammonia product – the experimental data is defined in [“The Thermodynamic Properties of Ammonia, by L. Haar and S.J. Gallagher, Journal of Physics Chemistry Ref. Data, Volume 7, No. 3, 1978.”](#)

With the next BCS CSP, a complete solution based on this measurement standard will be delivered, including a complete conversion group template for MQCI and SAP QCI calculations and validated test scenarios:

Measurement Cockpit: Display Conversion Groups - Measurement Standards

Display Conversion Groups by Measurement Standards

CTPL measurement standard:
Anhydrous Ammonia - Measurement Canada - Rev. 1 07/2015
Weight & mass conversion standard:
Not specified
Quantity conversion model standard:
Not specified
Unit of measure intraconversion standard:
Not specified
Product type:
Bulk chemicals

No	C.Grp	Rdg.	group	Ranges	QC	Set ID	Description	P.t.	Qty.EL %	Qty.WL %	Qty.WH %	Qty.EH %
1	Q9N0	Q9N0	Q9N0	QTYW			ANHYDROUS AMMONIA(NH3) ABS.DEN.15°C MQCI T		0.50	0.10	0.10	0.50
2	Q9N1	Q9N1	Q9N1	QTYW			ANHYDROUS AMMONIA(NH3) ABS.DEN.20°C MQCI T		0.50	0.10	0.10	0.50
3	Q9N2	Q9N2	Q9N2	QTYW			ANHYDROUS AMMONIA(NH3) API GRV.60°F MQCI T		0.50	0.10	0.10	0.50
4	Q9N3	Q9N3	Q9N3	QTYW			ANHYDROUS AMMONIA(NH3) REL.DEN.60°F MQCI T		0.50	0.10	0.10	0.50
5	Q9N4	Q9N4	Q9N4	SAP			ANHYDROUS AMMONIA(NH3) ABS.DEN.15°C T		0.50	0.10	0.10	0.50
6	Q9N5	Q9N5	Q9N5	SAP			ANHYDROUS AMMONIA(NH3) ABS.DEN.20°C T		0.50	0.10	0.10	0.50
7	Q9N6	Q9N6	Q9N6	SAP			ANHYDROUS AMMONIA(NH3) API GRV.60°F T		0.50	0.10	0.10	0.50
8	Q9N7	Q9N7	Q9N7	SAP			ANHYDROUS AMMONIA(NH3) REL.DEN.60°F T		0.50	0.10	0.10	0.50

With this note, the BCP 3.0 ABAP implementation part, based on that measurement standard - including list printing and test report integration - is delivered as an advanced development (AD). This way, customers who require this solution before the next BCS 3.0 CSP is shipped, may implement this note and contact their certified BCS consultant for configuration implementation. Additional information concerning support of anhydrous ammonia quantity conversions can be found in the [anhydrous ammonia FAQ](#).

Transport Reference

SAP Release	Transport	File Name	Notes
ECC600	QOIK900365	NOTE-00102-30x.SAR	
S/4 HANA	QOIK900365	NOTE-00102-30x.SAR	

Validity

SAP Release	From SP	To SP	In SP Shipment
ECC600	BCS 3.0 CSP02	BCS 3.0 CSP03	BCS 3.0 CSP03
S/4 HANA	BCS 3.0 CSP01	BCS 3.0 CSP02	BCS 3.0 CSP02