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Chicago Bridge & Iron
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TO:	<u>LARRY JONES</u>	FROM:	<u>STEVE PETERS</u>
COMPANY:	<u>CALTECH</u>	DATE:	<u>11/18/94</u>
FAX NO.:	<u>(818) 304-9834</u>	# OF PAGES:	<u>5 (including cover)</u>

Larry,

Attached is the information on isopropyl alcohol from the Aldrich Chemical and Fisher Scientific Catalogs. We are currently using Aldrich 2-Propanol #19,076-4. The evaporated residue is equal to or less than 10 ppm. 2-Propanol #32,408-6 has less than 2 ppm evaporated residue. Fisher Scientific also has grades of 2-Propanol that have less than 2 ppm evaporated residue (Optima & HPLC grades).

Presently, we do not have any 2-propanol with less than 2 ppm at our facility and the earliest we can obtain the 2-Propanol would be Monday morning. After you have had time to review the attachments call us so we can discuss.

Steve Peters

ALDRICH CHEMICAL

17,589-7	2-Propanol-d ₈ , 99 + atom % D [22739-76-0] (C ₃ H ₇ OD) FW 68.16 bp 82° n _D 1.3728. d 0.890 Fp 75°F(23°C) FT-IR 1(2),1076C SI 421,C,8 Safety 2,2952D R&S 1(2),2917B Disp. D FLAMMABLE LIQUID IRRITANT (Packaged in prescored ampules)	5g 50.80 25g 194.00														
39,289-8 <small>(E)</small>	2-Propanol-1,1,1,3,3,3-d ₆ , 99 atom % D [3976-29-2] (C ₃ H ₇ OD) FW 66.14 bp 82° n _D 1.3740 d 0.864 Fp 75°F(23°C) Boil. 1,4,1471 FLAMMABLE LIQUID IRRITANT	1g 54.00 5g 180.00														
17,584-6	2-Propanol-d ₇ , 98 + atom % D [3979-51-9] (C ₃ H ₆ OD) FW 61.10 bp 82° n _D 1.3752. d 0.798 Fp 75°F(23°C) FT-IR 1(2),1076B SI 421,B,8 Safety 2,2953A R&S 1(2),2917A Disp. D FLAMMABLE LIQUID IRRITANT (Packaged in prescored ampules)	5g 27.80 25g 94.10														
32,408-6 ★	2-Propanol, 99.9%, PRA grade [67-63-0] (isopropanol) (C ₃ H ₇ OH) FW 60.10 mp -89.5° bp 82.4° n _D 1.3770 d 0.785 Merck Index 11,5096 FT-NMR 1(1),175B FT-IR 1(1),1170 Safety 2,2952B R&S 1(1),129A RTECS# NT8050000 Disp. D FLAMMABLE LIQUID IRRITANT Halogenated residue (as heptachlor epoxide by GC/ECD) < 4µg/l Glass distilled Suitable for pesticide residue analysis Water < 0.06% Evapn. residue < 0.0002%	4x4L 129.60														
15,497-0 ★	2-Propanol, 99.5 + %, A.C.S. spectrophotometric grade [67-63-0] (isopropanol) (C ₃ H ₇ OH) (Packaged under nitrogen, bottles are Sealed for Quality™) Absorbance: to pass Other A.C.S. specifications: same as for 19,076-4 Max. U.V. Abs. (1 cm. cell - vs. H ₂ O) <table border="0" style="font-size: small; margin-left: 20px;"> <tr> <td>λ (nm)</td> <td>400-300</td> <td>260</td> <td>245</td> <td>230</td> <td>220</td> <td>210</td> </tr> <tr> <td>A</td> <td>0.01</td> <td>0.04</td> <td>0.08</td> <td>0.20</td> <td>0.40</td> <td>1.0</td> </tr> </table> Water < 0.2% Evapn. residue < 0.0010%	λ (nm)	400-300	260	245	230	220	210	A	0.01	0.04	0.08	0.20	0.40	1.0	1L 17.90 6x1L 82.20 2L 26.90 4x2L 80.80
λ (nm)	400-300	260	245	230	220	210										
A	0.01	0.04	0.08	0.20	0.40	1.0										
19,076-4 ★	2-Propanol, 99.5 + %, A.C.S. reagent [67-63-0] (C ₃ H ₇ OH) Assay ≥ 99.5% Evapn. residue ≤ 0.001% Color (APHA) ≤ 10 Water ≤ 0.2% H ₂ O solubility: to pass Titr. acid or base ≤ 0.0001 meq/g	25ml 10.00 500ml 10.20 6x500ml 49.20 1L 14.30 6x1L 66.00 18L 114.60														
27,049-0 ★	2-Propanol, 99.5%, HPLC grade [67-63-0] (isopropanol) (C ₃ H ₇ OH) Glass distilled (Packaged under nitrogen, bottles are Sealed for Quality™) Max. U.V. Abs. (1 cm. cell - vs. H ₂ O) <table border="0" style="font-size: small; margin-left: 20px;"> <tr> <td>λ (nm)</td> <td>400-300</td> <td>260</td> <td>245</td> <td>230</td> <td>220</td> <td>205</td> </tr> <tr> <td>A</td> <td>0.01</td> <td>0.03</td> <td>0.05</td> <td>0.15</td> <td>0.30</td> <td>1.0</td> </tr> </table> Water < 0.05% Evapn. residue < 0.0003%	λ (nm)	400-300	260	245	230	220	205	A	0.01	0.03	0.05	0.15	0.30	1.0	100ml 13.70 1L 18.80 6x1L 86.40 2L 28.20 4x2L 84.80 4x4L 120.60
λ (nm)	400-300	260	245	230	220	205										
A	0.01	0.03	0.05	0.15	0.30	1.0										
27,847-5 ★	2-Propanol, anhydrous, 99.5% [67-63-0] (isopropanol) (C ₃ H ₇ OH) (Packaged under nitrogen. 100ml, 1 liter and 2 liters in SureSeal™ bottles, 18 liters in Kilo-Lab™ metal cylinders. Cylinder-outlet valve or transfer line needed to dispense material. Cylinders require deposit.) Water < 0.005% Evapn. residue < 0.0003%	100ml 14.20 1L 20.60 6x1L 94.80 2L 30.90 4x2L 92.80 18L 144.20														
10,982-7 ★	2-Propanol, 99 + % [67-63-0] (isopropanol) (C ₃ H ₇ OH)	100ml 9.90 1L 11.40 4L 30.90 18L 80.10														
32,047-1 ★	2-Propanol, 99 + % [67-63-0] (isopropanol) (C ₃ H ₇ OH) (Packaged in poly-coated bottle)	1L 14.85														

2 PPM

10 PPM

10 PPM

3 PPM

3 PPM

■ 1200 ■

BULK QUANTITIES AVAILABLE FROM SAF SEE INSIDE BACK COVER

FISHER

PCO ANALYZED

Quantity	Spec. Pkg.	Cat. No.	Price
100g	---	D144-100	Ea./119.70 Cs. of 8/568.25

2,5-Diphenylisoxazole
OC(C₆H₅)₂CHN=C(C₆H₅) F.W. 221.25 CAS Reg. 82-71-7
ChemAlert® Storage Code: GRAY

Product Specifications
Actual Lot Analysis is reported on label.

LSC Analysis:
 H Background ≤ 25cpm
 H Efficiency ≥ 50%
 C Background ≤ 50cpm
 C Efficiency ≥ 65%
 Solubility and Debris To pass test

PRASEODYMIUM PLASMA GRADE STANDARD

Quantity	Spec. Pkg.	Cat. No.	Price
100mL	---	PLPR2-2Y	Ea./ 43.00
500mL	---	PLPR2-2X	Ea./ 85.00
500mL	---	PLPR2-3X	Ea./248.00

Product Specifications

Matrix	Concentration	Cat. No.
HNO ₃	1000µg/mL 10,000	PLPR2-2Y, -2X PLPR2-3X

PREPSEP® EXTRACTION COLUMNS see Fisher Catalog 93/94, pp. 414-415.

L-PROLINE see FisherBiotech® 6P362, p. 310C.

1,3-PROPANEDIOIC ACID see Malonic Acid A370, p. 139C.

1,2-PROPANEDIOL see Propylene Glycol P355, p. 212C.

REAGENT

Quantity	Spec. Pkg.	Cat. No.	Price
100g	---	EK 104 2928	Ea./ 24.25
500g	---	EK 104 2944	Ea./ 58.40
3kg	---	EK 140 1585	Ea./175.40

HOCH₂CH₂OH F.W. 78.10 B.P. 99°C/5mm (lit.)
Assay (by GC): 97% CAS Reg. 504-83-2

1,2,3-PROPANETRIOL see Glycerin G153, p. 108C.

PROPANOIC ACID see Propionic Acid A258, p. 212C.

CERTIFIED

Quantity	Spec. Pkg.	Cat. No.	Price
500mL	#See p. 14C	A414-500	Ea./ 14.75 Cs. of 6/ 73.55
1 liter	#See p. 14C	A414-1	Ea./ 28.40 Cs. of 6/131.65
4 liter	#See p. 14C	A414-4	Ea./ 74.80 Cs. of 4/200.35
4 liter	#See p. 14C Safe-Tin®	A414S-4	Ea./ 78.35 Cs. of 4/240.00
20 liter	---	A414-20	Ea./197.50

n-Propyl Alcohol
CH₃(CH₂)₂OH F.W. 60.10 CAS Reg. 71-23-8
ChemAlert® Storage Code: RED

Product Specifications
Actual Lot Analysis is reported on label.

Color (APHA) ≤ 20
 Boiling Range 86°-96°C
 Specific Gravity at 25°C 0.801-0.803
 Residue after Evaporation ≤ 0.01%
 Acidity (as CH₃COOH) ≤ 0.02%

1-PROPANOL see also n-Propanol, FisherBiotech® BP130, p. 310C.

2-PROPANOL

Quantity	Spec. Pkg.	Cat. No.	Price
4 liter	---	A454-4	Ea./ 54.80 Cs. of 4/144.80

Isopropyl Alcohol
(CH₃)₂CHOH F.W. 60.10 CAS Reg. 67-63-0
ChemAlert® Storage Code: RED

Product Specifications

Assay (GC) ≥ 99.9%
 Color (APHA) ≤ 5
 Pesticide Residue Analysis (see Heptachlor Epoxide) ≤ 10µg/L
 Sulfur (as Parathion) ≤ 500µg/L
 Phosphorus (as Parathion) ≤ 100µg/L
 Fluorescence Background (as Quinine Sulfate) ≤ 1ppm
 Residue after Evaporation 1.3740-1.3760
 Refractive Index at 25°C 0.781-0.783/ml
 Density at 25°C ≤ 0.80%
 Water To pass test
 Solubility in Water ≤ 1.0°C incl. 82.3°C
 Boiling Range (1 drop to dryness) ≤ 0.0001mEq/L
 Titration Acid or Base To pass test
 Substances Reducing Permanganate ≤ 1.00
 Optical Absorbance at 205nm ≤ 0.20
 at 220nm ≤ 0.10
 at 230nm ≤ 0.05
 at 254nm ≤ 0.015

Packaged under Nitrogen, Submicron Filtered
 Certificate of Actual Lot Analysis available on request. Ultraviolet absorbance curve available on request.

2-PROPANOL

Quantity	Spec. Pkg.	Cat. No.	Price
1 liter	#See p. 14C	A451-1	Ea./ 26.10 Cs. of 6/103.90
1 liter	Safe-Cote®	A451SK-1	Ea./ 31.90 Cs. of 6/127.76
4 liter	#See p. 14C	A451-4	Ea./ 50.90 Cs. of 4/133.86
4 liter	Safe-Cote®	A451SK-4	Ea./ 68.70 Cs. of 4/162.50

Isopropyl Alcohol
(CH₃)₂CHOH F.W. 60.10 CAS Reg. 67-63-0
ChemAlert® Storage Code: RED

Product Specifications
Actual Lot Analysis is reported on label.

Assay ≥ 99.9%
 Color (APHA) ≤ 10
 Fluorescence Background (as Quinine Sulfate) 1.3740-1.3760
 Refractive Index at 25°C ≤ 2ppm
 Residue after Evaporation To pass test
 Solubility in Water ≤ 0.1%
 Water ≤ 0.0001mEq/L
 Titration Acid or Base 0.781-0.783/ml
 Density at 25°C ≤ 0.7°C
 Boiling Range (1 drop to dryness) ≤ 0.1°C
 Boiling Point ≤ 1.00
 Optical Absorbance at 205nm ≤ 0.25
 at 220nm ≤ 0.15
 at 230nm ≤ 0.10
 at 254nm ≤ 0.025

Submicron Filtered

2-PROPANOL

Quantity	Spec. Pkg.	Cat. No.	Price
4 liter	#See p. 14C	A452-4	Ea./ 92.60 Cs. of 4/141.10

Isopropyl Alcohol
(CH₃)₂CHOH F.W. 60.10 CAS Reg. 67-63-0
ChemAlert® Storage Code: RED

Product Specifications
Actual Lot Analysis is reported on label.

Color (APHA) ≤ 10
 Suitability for Pesticide Residue Analysis To pass test

For abbreviations and symbols, see p. 14C.

*Trademark. For ownership, see listing at end of catalog.

2-PROPANOL MEETS ACS SPECIFICATIONS

Quantity	Spec. Pkg.	Cat. No.	Price
1 liter	#See p. 14C	A432-1	Ea/ 25.10 Cs. of 8/101.90
4 liter	—	—	—

Isopropyl Alcohol (CH₃)₂CHOH F.W. 60.10 CAS Reg. 67-63-0 ChemAlert® Storage Code: RED

Product Specifications
Actual Lot Analysis is reported on label.

Assay	≥ 99%
Color (APHA)	≤ 10
Density at 25°C	0.781-0.783 g/mL
Boiling Range (1 drop to dryness)	82.3°C ± 0.1°C
Boiling Point	82.3°C ± 0.1°C
Residue after Evaporation	≤ 0.001%
Solubility in Water	To pass test
Titratable Acid or Base	≤ 0.0001 mEq/g
Residue after Evaporation	≤ 0.001%
Solubility in Water (10mL/40mL)	To pass test
Water	≤ 0.2%
Optical Absorbance at 210nm	≤ 1.00
at 220nm	≤ 0.40
at 230nm	≤ 0.20
at 245nm	≤ 0.08
at 260nm	≤ 0.04
at 275nm	≤ 0.03
at 300nm	≤ 0.02
at 330 to 400nm	≤ 0.01

Chromatographic curve and ultraviolet absorbance curve available on request.

2-PROPANOL SPECTRALLY ANALYZED

Quantity	Spec. Pkg.	Cat. No.	Price
1 liter	#See p. 14C	A419-1	Ea/ 25.10 Cs. of 8/101.90
4 liter	#See p. 14C	A419-4	Ea/ 61.30 Cs. of 4/181.50

For use in the ultraviolet and infrared ranges Isopropyl Alcohol (CH₃)₂CHOH F.W. 60.10 CAS Reg. 67-63-0 ChemAlert® Storage Code: RED

Product Specifications
Actual Lot Analysis is reported on label.

Color (APHA)	≤ 10
Density at 25°C	0.781-0.783 g/mL
Boiling Range (1 drop to dryness)	≤ 1.0°C
Boiling Point	82.3°C ± 0.1°C
Residue after Evaporation	≤ 0.001%
Solubility in Water	To pass test
Water	≤ 0.2%
Titratable Acid or Base	≤ 0.0001 mEq/g
Optical Absorbance at 210nm	≤ 1.00
at 220nm	≤ 0.40
at 230nm	≤ 0.20
at 245nm	≤ 0.08
at 260nm	≤ 0.04
at 275nm	≤ 0.03
at 300nm	≤ 0.02
at 330 to 400nm	≤ 0.01
IR Transmittance at 3.8-8.8µm	≥ 70%
at 9.5-10.0µm	≥ 70%
at 11.1-12.0µm	≥ 70%

Transmittance measured in a 0.015mm KBr cell. Ultraviolet absorbance curves are run against distilled water set at zero absorbance. Curves available on request.

2-PROPANOL CERTIFIED

Quantity	Spec. Pkg.	Cat. No.	Price
1 liter	#See p. 14C	A417-1	Ea/ 18.90 Cs. of 6/ 80.05
4 liter	#See p. 14C	A417-4	Ea/ 50.60 Cs. of 4/148.50

Suitable for use in Cholesterol and Triglycerides Determinations in regular and "N" methods. Isopropyl Alcohol (CH₃)₂CHOH F.W. 60.10 CAS Reg. 67-63-0 ChemAlert® Storage Code: RED

2-PROPANOL LOW WATER

Quantity	Spec. Pkg.	Cat. No.	Price
4 liter	#See p. 14C	A520-4	Ea/ 61.85 Cs. of 4/181.50

Isopropyl Alcohol (CH₃)₂CHOH F.W. 60.10 CAS Reg. 67-63-0 ChemAlert® Storage Code: RED

Product Specifications
Actual Lot Analysis is reported on label.

Color (APHA)	≤ 10
Density at 25°C	0.781-0.783 g/mL
Boiling Range	≤ 1.0°C
Boiling Point	82.3°C ± 0.1°C
Residue after Evaporation	≤ 0.001%
Solubility in Water	To pass test
Water	≤ 0.016%
Titratable Acid or Base	≤ 0.0001 mEq/g
Heavy Metals (as Pb)	≤ 1 ppm
Copper	≤ 0.1 ppm
Iron	≤ 0.1 ppm
Nickel	≤ 0.1 ppm

2-PROPANOL CERTIFIED ACS

Quantity	Spec. Pkg.	Cat. No.	Price
500mL	#See p. 14C	A416-800	Ea/ 13.60 Cs. of 8/ 82.05
1 liter	#See p. 14C	A416-1	Ea/ 21.00 Cs. of 6/ 88.35
4 liter	#See p. 14C	A416-4	Ea/ 58.25 Cs. of 4/185.00
4 liter	#See p. 14C Safe-Tin®	A416S-4	Ea/ 82.40 Cs. of 4/180.90
4 liter	#See p. 14C Safe-Cote®	A416SK-4	Ea/ 82.40 Cs. of 4/180.90
20 liter	—	A416-20	Ea/121.75
200 liter	—	A416-200	Ea/710.60
30, 60, 115 or 200 liter	FisherPak®	A416SS-30 -60, -115, -200	Please inquire

Isopropyl Alcohol (CH₃)₂CHOH F.W. 60.10 CAS Reg. 67-63-0 ChemAlert® Storage Code: RED

Product Specifications
Actual Lot Analysis is reported on label.

Color (APHA)	≤ 10
Density at 25°C	0.781-0.783 g/mL
Boiling Range	≤ 1.0°C
Boiling Point	82.3°C ± 0.1°C
Residue after Evaporation	≤ 0.001%
Solubility in Water (10mL/40mL)	To pass test
Water	≤ 0.2%
Titratable Acid or Base	≤ 0.0001 mEq/g
Heavy Metals (as Pb)	≤ 1 ppm
Copper	≤ 0.1 ppm
Iron	≤ 0.1 ppm
Nickel	≤ 0.1 ppm

2-PROPANOL PURIFIED

Quantity	Spec. Pkg.	Cat. No.	Price
4 liter	#See p. 14C	A415-4	Ea/ 41.50 Cs. of 4/115.65
20 liter	—	A415-20	Ea/105.95

Isopropyl Alcohol (CH₃)₂CHOH F.W. 60.10 CAS Reg. 67-63-0 ChemAlert® Storage Code: RED

ChemAlert® Labels Make Safety Instantly Clear

Fisher Scientific created the ChemAlert labeling system to remind personnel of the safe way to work with chemicals. Each label contains safety and technical data, plus color-coded storage and handling information. Users are referred to the Material Safety Data Sheet (MSDS) for more information. For a free ChemAlert safety reference poster, check No. 53 on the Reader Service Card.

FISHER

PROPRANOL BIOLOGICAL

Quantity	Spec. Pkg.	Cat. No.	Price
4 liter	# See p. 14C Poly bottle	A426P-4	Ea./ 36.05 Cs. of 4/103.90
4 liter	# See p. 14C Safe-Tin™	A426S-4	Ea./ 39.20 Cs. of 4/108.20
20 liter	---	A426S-20	Ea./ 89.00
200 liter	---	A426S-200	Ea./ 633.70

Specially filtered for use in tissue processors
Isopropyl Alcohol (CH3)2CHOH F.W. 60.10
CAS Reg. 67-53-0
ChemAlert™ Storage Code: RED

2-PROPANOL see also 70% Isopropyl Alcohol LG15760, p. 130C.

PROPANONE see Acetone beginning with A929, p. 19C.

PROPENYL ALCOHOL see Glycerin G33, p. 108C.

PROPRIONIC ACID CERTIFIED

Quantity	Spec. Pkg.	Cat. No.	Price
500mL	# See p. 14C	A269-500	Ea./ 20.80 Cs. of 6/78.35

CH3CH2COOH F.W. 74.08
CAS Reg. 79-09-4
ChemAlert™ Storage Code: WHITE

Product Specifications
Actual Lot Analysis is reported on label.

Color (APHA).....	≤ 15
Boiling Range.....	139°-142°C
Density at 25°.....	0.986-0.990g/mL
Residue after Evaporation.....	≤ 0.01%
Water.....	≤ 0.25%

n-PROPYL ALCOHOL see 1-Propanol A414, p. 210C.

iso-PROPYL BROMIDE see 2-Bromopropane EK 103 2556, EK 103 2572, p. 53C.

n-PROPYL CARBINOL see 1-Butanol A399, p. 58C.

iso-PROPYL CARBINOL see Isobutanol A397, p. 129C.

p-PROPYL m-CREOSOL see Thymol T165, p. 263C.

PROPYLENE CARBONATE CERTIFIED

Quantity	Spec. Pkg.	Cat. No.	Price
4 liter	---	O4331-4	Ea./ 85.75 Cs. of 4/306.15

O=C(CH2)2COO F.W. 102.09
CAS Reg. 105-32-7
ChemAlert™ Storage Code: GRAY

Product Specifications

Assay (GC).....	≥ 98%
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Fisher GC Resolv™
Purge and Trap Grade Methanol
Suitable for the most demanding applications
Eliminates the costs of lot preselection analysis and ensures contaminant-free performance and lot-to-lot consistency. Ideal for EPA methodologies, including most volatile organic analyses of soil and water. Free of contamination to the parts-per-billion level. For more information on this solvent, as well as on Methylene Chloride and Acetone solvents for capillary GC analysis, see individual entries in the Chemical Section.

For abbreviations and symbols, see p. 14C.

PROPYLENE GLYCOL USP

Quantity	Spec. Pkg.	Cat. No.	Price
1 liter	---	P366-1	Ea./ 47.90 Cs. of 6/ 236.35
4 liter	---	P366-4	Ea./ 125.40 Cs. of 4 376.10
20 liter	---	P366-20	Ea./ 358.90
200 liter	---	P366-200	Ea./ 1856.40

1,2-Propanediol CH3CHOHCH2OH F.W. 76.10
CAS Reg. 57-85-8
ChemAlert™ Storage Code: GRAY

Product Specifications

Assay.....	≥ 99.5%
Acidity.....	To pass test
Distillation Range.....	185°-189°C
Residue after Ignition.....	≤ 0.007%
Specific Gravity at 25°C.....	1.036-1.037
Water.....	≤ 0.2%
Arsenic.....	≤ 3ppm
Chloride.....	≤ 0.007%
Heavy Metals (as Pb).....	≤ 3ppm
Sulfate.....	≤ 0.008%

PROPYLENE OXIDE USP

Quantity	Spec. Pkg.	Cat. No.	Price
1 liter	---	O4332-1	Ea./ 45.89 Cs. of 6/248.40

CH2CHCH2O F.W. 58.06
CAS Reg. 75-56-9
ChemAlert™ Storage Code: RED
Refrigerate

Product Specifications

Assay.....	≥ 98%
Color (APHA).....	≤ 10

p-iso-PROPYLTOLUENE see p-Cymene EK 101 6583, p. 84C.

PROTEINASE-K (from *Tritirachium album*) see FisherBiotech™ BP 705, p. 300C.

PRUSSIAN OF POTASH, red see Potassium Ferricyanide P232, p. 201C.

PRUSSIAN OF POTASH, yellow see Potassium Ferrocyanide P235, p. 201C.

PVP see Polyvinyl Pyrrolidone, FisherBiotech™ BP431, p. 308C.

PYRIDINE CERTIFIED

Quantity	Spec. Pkg.	Cat. No.	Price
500mL	# See p. 14C	P368-500	Ea./ 48.90 Cs. of 6/211.50
1 liter	# See p. 14C	P368-1	Ea./ 89.20 Cs. of 6/391.50
4 liter	# See p. 14C	P368-4	Ea./ 289.20 Cs. of 4/858.00
4 liter	# See p. 14C Safe-Tin™	P368S-4	Ea./ 285.20 Cs. of 4/847.50

Suitable for Karl Fischer Reagent
C4H5N F.W. 79.10
CAS Reg. 110-95-1
ChemAlert™ Storage Code: RED

Product Specifications
Actual Lot Analysis is reported on label.

Boiling Point.....	115.3°C ± 0.1
Boiling Range (1 drop to dryness).....	≤ 2%
Solubility in Water (10mL/90mL).....	To pass test
Residue after Evaporation.....	≤ 0.005%
Water.....	≤ 0.2%
Chloride.....	≤ 0.005%
Sulfate.....	≤ 0.005%
Ammonia.....	≤ 0.005%
Copper.....	To pass test (about 2%)
Reducing Substances.....	To pass test

*Trademark. For ownership, see listing at end of book.