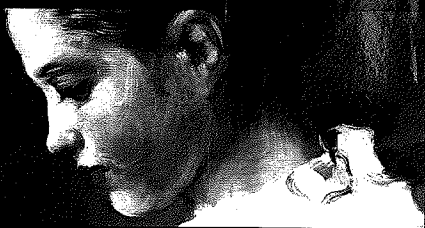


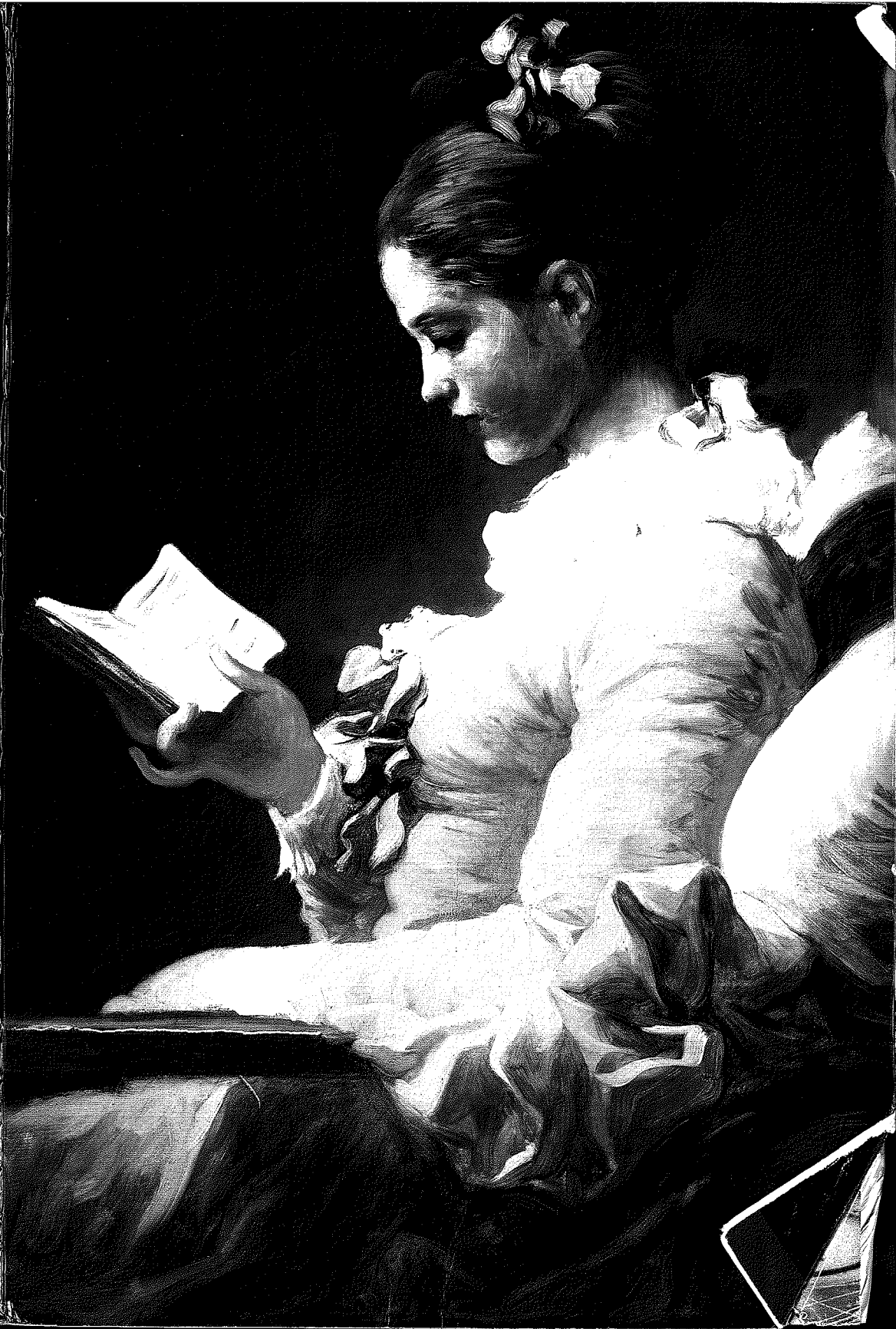


Handbook of Fine Chemicals and Laboratory Equipment

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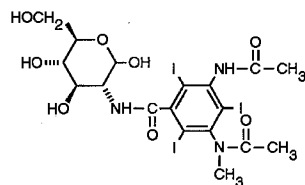
C ₂ H ₅ FW 192.21	1g	39.50
	5g	132.30
C ₂ H ₅ FW 158.20	25g	71.30
FMNR 1(1), 1096A	100g	177.90
2-methylaceto-		
CH ₂ CH ₂ CO ₂ C ₂ H ₅ ..	5g	26.10
(11°C) Beil. 3,757	25g	94.60
page 833		
aldehyde)	5g	33.90
(11°C) Beil. 1,733		
71° bp 99°	5mL	19.50
index 13,3794	100mL	20.60
	1L	22.40
	2L	28.90
	18L	139.40
250.34	1g	33.40
(11), 1116C	10g	211.80
28° (dec.)	5g	40.80
	25g	135.50
page 42		
FW 48.05	250mg	258.00
IRRIANT	1g	713.00
FW 47.06 bp 78°	250mg	99.00
IRRIANT	1g	275.00
FW 47.06 bp 78°	250mg	150.00
	1g	419.00
10x.7mL		341.00
(d ₆) C ₂ D ₅ OD	1g	34.50
	5g	113.10
	5g	257.00
1.3610	1g	81.00
	5g	269.00
1.3600	1g	107.00
	5g	351.00
47.08	25g	29.80
	100g	72.20

45,983-6	★	Ethyl alcohol, 200 proof, anhydrous, 99.5+% [64-17-5] (ethanol) C ₂ H ₅ OH	100mL	56.60
		FW 46.07 bp 78° n _D 1.3600 d 0.790 Fp 62°F(16°C) Merck Index 13,3795	100mL	31.90
		RTECS# KQ6300000 HIGHLY TOXIC FLAMMABLE LIQUID	12x100mL	344.70
		Prices include Federal Tax.	1L	54.30
		Water <0.005%	6x1L	268.90
		Evapn. residue <0.0005%	2L	81.50
			4x2L	286.30
45,984-4	★	Ethyl alcohol, absolute, 200 proof, 99.5%, A.C.S. reagent [64-17-5] (ethanol)	500mL	24.90
		C ₂ H ₅ OH FW 46.07 bp 78° n _D 1.3600 d 0.790 Fp 62°F(16°C) Merck Index 13,3795	6x500mL	120.70
		RTECS# KQ6300000 FLAMMABLE LIQUID IRRITANT	1L	43.30
		Prices include Federal Tax.	6x1L	227.50
		Assay ≥99.5% (vol.)	2L	66.10
		Water ≤0.2%	4L	113.80
		H ₂ O solubility: to pass	4x4L	432.30
		Isopropanol: to pass		
		Evapn. residue ≤0.001%		
		H ₂ SO ₄ darkened: to pass		
		Tit. acid ≤0.0005 meq/g		
		Tit. base ≤0.0002 meq/g		
45,982-8	★	Ethyl alcohol, 200 proof, HPLC/spectrophotometric grade [64-17-5] (ethanol)	1L	40.40
		C ₂ H ₅ OH FW 46.07 bp 78° n _D 1.3600 d 0.790 Fp 48°F(8°C) Merck Index 13,3795	6x1L	173.60
		FLAMMABLE LIQUID IRRITANT	2L	51.90
		Max. U.V. Abs. (1 cm. cell - vs. H ₂ O)	4L	86.30
		λ(nm) 400-270 240 230 220 210	4x4L	266.80
		A 0.01 0.05 0.15 0.25 0.40		
		Water <0.2%		
		Evapn. residue <0.0010%		
49,351-1	★	Ethyl alcohol, 190 proof, 95.0%, A.C.S. spectrophotometric grade [64-17-5]	1L	41.75
		C ₂ H ₅ OH FW 46.07 bp 78° n _D 1.3630 d 0.816 Fp 62°F(16°C) Merck Index 13,3795	4L	115.90
		RTECS# KQ6300000 FLAMMABLE LIQUID IRRITANT	4x4L	370.90
		Prices include Federal Tax.		
		H ₂ O solubility: to pass		
		Isopropanol: to pass		
		H ₂ SO ₄ darkened: to pass		
		Color (APHA) ≤10		
		Tit. acid ≤0.0005 meq/g		
		Tit. base ≤0.0002 meq/g		
		Max. U.V. Abs. (1 cm. cell - vs. H ₂ O)		
		λ(nm) 400-270 240 230 220 210		
		A 0.01 0.05 0.15 0.25 0.40		
27,074-1	★	Ethyl alcohol, reagent, denatured, HPLC grade [64-17-5] (ethanol) C ₂ H ₅ OH	100mL	18.10
		Denatured with 5% isopropyl alcohol and 5% methyl alcohol	1L	26.70
		Availability may be affected by Regulations. Contact office.	6x1L	125.00
		(Packaged under nitrogen, 100mL, 1L, 2L bottles are Sealed for Quality™)	2L	40.10
		Max. U.V. Abs. (1 cm. cell - vs. H ₂ O)	4x2L	120.50
		λ(nm) 400-300 255 220 210 205	4x4L	215.30
		A 0.01 0.04 0.35 0.65 1.0		
		Water <0.1%		
		Evapn. residue <0.0005%		
24,511-9	★	Ethyl alcohol, reagent, denatured, spectrophotometric grade [64-17-5] (ethanol)	1L	28.10
		C ₂ H ₅ OH	6x1L	135.30
		Denatured with 5% isopropyl alcohol and 5% methyl alcohol	2L	42.20
		Availability may be affected by Regulations. Contact office.	4x2L	135.60
		(Packaged under nitrogen, bottles are Sealed for Quality™)		
		Max. U.V. Abs. (1 cm. cell - vs. H ₂ O)		
		λ(nm) 400-300 255 220 210 205		
		A 0.01 0.04 0.35 0.65 1.0		
		Water <0.1%		
		Evapn. residue <0.0005%		
44,361-1	★	Ethyl alcohol, reagent, anhydrous, denatured [64-17-5] C ₂ H ₅ OH	1L	42.10
		Denatured with 5% isopropyl alcohol and 5% methyl alcohol	6x1L	226.60
		Availability may be affected by Regulations. Contact office.	4L	77.00
		(Packaged in safety cans)	4x4L	246.20
27,764-9	★	Ethyl alcohol, reagent, anhydrous, denatured [64-17-5] C ₂ H ₅ OH	100mL	19.90
		(Packaged under nitrogen in Sure/Seal™ bottles.)	12x100mL	215.60
		Denatured with 5% isopropyl alcohol and 5% methyl alcohol	1L	30.70
		Water <0.005% (100mL unit)	6x1L	147.60
		Availability may be affected by Regulations. Contact office.	2L	45.90
		Water <0.003%	4x2L	147.10
		Evapn. residue <0.0005%		

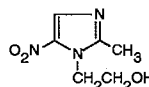
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■ **Metrizamid** ■

		US \$
86,050-6	Metrizamide , 98%, mixture of anomers [31112-62-6] [2-[3-acetamido-5-(<i>N</i> -methylacetamido)-2,4,6-triiodobenzamido]-2-deoxy- D -glucose] FW 789.10 mp 222-224°(dec.) $[\alpha]^{24} +18.8^\circ$ (c=5, H ₂ O) Merck Index 13,6176 FT-IR 1(2),421B Safety 2,2466D R&S 1(2),2097C RTECS# LZ6650000 LIGHT-SENSITIVE A density gradient medium for the centrifugation of biological particles. J. Cell. Biol. 1991, 113, 45. Physiol. Plant. 1990, 79, 570.	1g 17.30 10g 90.00 25g 189.20
22,674-2	Metronidazole , 99% [443-48-1](2-methyl-5-nitro-1-imidazoleethanol) FW 171.16 mp 160-162° Merck Index 13,6178 FT-NMR 1(3),84B FT-IR 1(2),619B Safety 2,2467A R&S 1(2),2359G RTECS# NI5600000 CANCER SUSPECT AGENT MUTAGEN	5g 20.50 25g 62.10 100g 166.40
	Metyrapone , see 85,652-5, 2-Methyl-1,2-di-3-pyridyl-1-propanone page 1235	
49,245-0	Mevalonic-1,2-¹³C₂ lactone , 99 atom % ¹³ C [287111-36-8] FW 132.13 mp 28° bp 145-150°/5mm n _D 1.4730 HYGROSCOPIC	500mg 667.00
49,246-9	Mevalonic-1-¹³C lactone , 99 atom % ¹³ C [73834-54-5] FW 131.14 mp 28° bp 145-150°/5mm n _D 1.4730 HYGROSCOPIC	100mg 200.00
48,660-4	Mevalonic-2-¹³C lactone , 99 atom % ¹³ C [53771-22-5] FW 131.14 mp 28° bp 145-150°/5mm n _D 1.4730 Fp >230°F(110°C) HYGROSCOPIC	100mg 205.00
28,670-2	Mevalonic lactone , 97% [674-26-0] (β -hydroxy- β -methyl- δ -valerolactone) FW 130.15 mp 28° bp 145-150°/5mm n _D 1.4730 Fp >230°F(110°C) $[\alpha]^{25} 0^\circ$ (c=1, C ₂ H ₅ OH) Beil. 18(4),20 Fieser 4,345 Merck Index 13,6087 FT-NMR 1(1),1153B R&S 1(1),815E HYGROSCOPIC May contain some mevalonic acid	250mg 16.50 1g 42.80
	Meyers' Reagent , see 23,654-3, <i>N</i> -Methyl- <i>N</i> -(2-pyridyl)formamide page 1284	
	MHHPA , see 14,993-4, Hexahydro-4-methylphthalic anhydride page 988	
	MIA , see 12,988-7, <i>N</i> -Methylisatoic anhydride page 1252	
	MIBK , see 4-Methyl-2-pentanone	
	Michler's ketone , see 14,783-4, 4,4'-Bis(dimethylamino)benzophenone page 219	
43,899-5	Micro Ultratorch® , Model MT-10, with 0.0634 oz butane-fuel cell mp -160° ★ bp -12° Fp -100°F(-73°C) FLAMMABLE GAS	1ea 34.30
M8,761-4	Mimosine , 98% [500-44-7] (leucenol, optically active) FW 198.18 mp 228°(dec.) .. ★ $[\alpha]^{22} -21^\circ$ (in H ₂ O) Merck Index 13,6221 FT-IR 1(1),597D Safety 2,2468C R&S 1(1),667F RTECS# UT7610000	100mg 20.00 1g 111.40
33,076-0	Mineral oil , white, heavy [8042-47-5] (paraffin oil) n _D 1.4760 d 0.862 ★ Fp >230°F(110°C) Merck Index 13,7139 FT-NMR 1(1),9C RTECS# PY8047000 IRRITANT	1L 21.20
33,077-9	Mineral oil , white, light [8042-47-5] (paraffin oil) n _D 1.4680 d 0.838 ★ Fp >230°F(110°C) Merck Index 13,7139 FT-NMR 1(1),9C RTECS# PY8047000 IRRITANT	1L 12.70
16,140-3	Mineral oil [8042-47-5] (paraffin oil) ★ Suitable for the preparation of nujol mulls in infrared analysis. (12mL unit in plastic dropping bottle)	6x12mL 34.70 1L 17.40 6x1L 129.10
26,256-0	Mineral spirits , odorless [68551-17-7] (petroleum spirits) bp 179-210° n _D 1.4240 .. ★ d 0.752 Fp 135°F(57°C) Merck Index 13,6120 FT-NMR 1(1),9C FT-IR 1(1),7D Safety 2,2469A RTECS# PY8240000 IRRITANT	4L 49.70 20L 126.90
	Mitotane , see C6,380-4, 1-(2-Chlorophenyl)-1-(4-chlorophenyl)-2,2-dichloroethane page 461	
	MIX , see 85,845-5, 3-Isobutyl-1-methylxanthine page 1092	
	MMA , see M5,590-9, Methyl methacrylate page 1256	
	MMC , see Magnesium methyl carbonate	
	MMPP , see 28,320-7, Magnesium monoperoxyphthalate hexahydrate page 1149	
	MMS , see 12,992-5, Methyl methanesulfonate page 1256	
	MNA , see 23,543-1, Methyl-5-norbomene-2,3-dicarboxylic anhydride page 1266	
	MNNG , see 12,994-1, 1-Methyl-3-nitro-1-nitrosoguanidine page 1264	



86,050-6



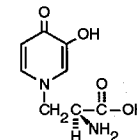
22,674-2



48,660-4



28,670-2



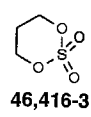
M8,761-4

■ 1306 ■

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■ Propane ■

Product Name	Quantity	US \$
49,059-8 Propane-1,1,1,3,3,3-d ₆ , 98 atom % D [2875-96-9] CD ₃ CH ₂ CD ₃ FW 50.15 mp -188° bp -42.1° Beil. 1(4),185 FLAMMABLE GAS HYGROSCOPIC (Packaged in lecture bottles)	500mL	650.40
49,331-7 Propane-2,2-d ₂ , 98 atom % D [2875-95-8] CH ₃ CD ₂ CH ₃ FW 46.11 mp -188° bp -42.1° Beil. 1(4),185 FLAMMABLE GAS HYGROSCOPIC (Packaged in lecture bottles)	1L	684.00
53,617-2 Propane, 99.97% [74-98-6] CH ₃ CH ₂ CH ₃ FW 44.10 mp -188° bp -42.1° Beil. 2,234....	145g	181.80
29,565-5 Propane, 98% [74-98-6] CH ₃ CH ₂ CH ₃ Brass regulator Z14,670-6 or Z14,671-4 is recommended. (Packaged in steel cylinders)	100g 300g	55.50 62.70
31,857-4 Propane, tank for propane torch, Z16,238-8 [74-98-6] CH ₃ CH ₂ CH ₃ Contains fuel for 15 hours	1ea	10.60
Propanediamine, see Diaminopropane		
48,627-2 1,2-Propanediol-d ₃ , 98 atom % D [80156-55-4] CD ₃ CD(OD)CD ₂ OD FW 84.16 mp -60° bp 187° n _D ²⁰ 1.4320 d 1.146 Fp 225°F(107°C) HYGROSCOPIC	5g	704.00
48,720-1 1,2-Propanediol(diol-d ₂), 98 atom % D [58161-11-8] CH ₃ CH(OD)CH ₂ OD FW 78.11 mp -60° bp 187° d 1.036 Fp 225°F(107°C) HYGROSCOPIC	10g	288.00
39,803-9 1,2-Propanediol, 99.5+%, A.C.S. reagent [57-55-6] (propylene glycol) CH ₃ CH(OH)CH ₂ OH FW 76.10 mp -60° bp 187° n _D ²⁰ 1.4320 d 1.036 Fp 225°F(107°C) Beil. 1,472 Merck Index 13,7947 FT-NMR 1(1),192C FT-IR 1(1),128B R&S 1(1),139C RTECS# TY2000000 HYGROSCOPIC	25mL 500mL 6x500mL 2L 4x2L	15.70 27.10 148.20 87.50 225.90
24,122-9 1,2-Propanediol, 99+% [57-55-6] (propylene glycol) CH ₃ CH(OH)CH ₂ OH	5g 100g	18.10 21.10
13,436-8 1,2-Propanediol, 99% [57-55-6] (propylene glycol) CH ₃ CH(OH)CH ₂ OH	1kg 3kg 17kg	30.20 60.50 228.60
54,024-2 (R)-(-)-1,2-Propanediol, 96% [4254-14-2] [(R)-(-)-propylene glycerol] CH ₃ CH(OH)CH ₂ OH FW 76.09 bp 186-188°/765mm n _D ²⁰ 1.4330 d 1.040 Fp 225°F(107°C) [α] _D ²⁰ -16.5° (neat) HYGROSCOPIC	5g 25g	109.50 276.90
54,025-0 (S)-(+)-1,2-Propanediol, 96% [4254-15-3] [(S)-(+)-propylene glycerol] CH ₃ CH(OH)CH ₂ OH FW 76.09 bp 186-188°/765mm n _D ²⁰ 1.0400 d 1.040 Fp 225°F(107°C) [α] _D ²⁰ +16.5° (neat) FT-NMR 1(1),193A HYGROSCOPIC	5g 25g	109.50 276.90
49,110-1 1,3-Propanediol-2- ¹³ C, 99 atom % ¹³ C [285138-84-3] HOCH ₂ ¹³ CH ₂ CH ₂ OH FW 77.09 mp -27° bp 214° n _D ²⁰ 1.4400 d 1.067 Fp 175°F(79°C)	250mg	445.00
53,373-4 1,3-Propanediol, 99.6+% [504-63-2] (trimethylene glycol), 1,3-dihydroxypropane HO(CH ₂) ₃ OH FW 76.10 mp -27° bp 214° n _D ²⁰ 1.4400 d 1.053 Fp >230°F(110°C) Merck Index 13,9786 FT-NMR 1(1),192B	100g 1kg	24.20 113.40
P5,040-4 1,3-Propanediol, 98% [504-63-2] (trimethylene glycol) HO(CH ₂) ₃ OH Solvent for thin film preparations. ¹ Vinyl epoxide synthon ² and reagent for epoxide ring-opening ³ and polymerization reactions. ⁴ Reagent for natural product syntheses. ⁵ (1) J. Mater. Sci. Lett. 1993, 12, 1221. (2) J. Chem. Soc., Perkin Trans. 1 1993, 2979. (3) Chem. Pharm. Bull. 1993, 41, 1111. (4) J. Appl. Polym. Sci. 1993, 50, 693. (5) Stud. Nat. Prod. Chem. 1993, 13, 53.	100g 500g	19.90 69.70
42,656-3 1,3-Propanediol bis(4-aminobenzoate), 98% [57609-64-0] CH ₂ (CH ₂ O ₂ CC ₆ H ₄ NH ₂) ₂ FW 314.34 mp 124-127° d 1.140 Beil. 14(3),1034 IRRITANT Granular powder	50g 250g	15.60 51.00
1,2-Propanediol cyclic carbonate, see Propylene carbonate		
1,3-Propanediol cyclic ester with boric acid, see 19,319-4, Trimethylene borate page 1858		
46,416-3 1,3-Propanediol cyclic sulfate, 98% [1073-05-8] (1,3,2-dioxathiane 2,2-dioxide) FW 138.14 mp 58-62° Beil. 1(3),2161 RTECS# TY4560000	5g 25g	40.50 134.20
1,2-Propanediol diacetate, see 52807-2, Propylene glycol diacetate page 1595		



46,416-3

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