

CSD chemical list for CalNex 2010

Instrument	Chemical	amount	3952 form (AOC ID #)
CCNC (Sta. 2 fwd.)	Ammonium sulfate	500 g	X16
	Sodium chloride	500 g	n/a
	Distilled water	16 L	n/a
	n-Butanol	1 L	X15
	Methanol	1 L	X14
	Compressed air	280 g	n/a
	Silica gel	2 kg	X26
	210Po alpha air ionizer	500 uCi	n/a
CRD/PAS &			
PSAP (Sta. 2)	Drierite	4 kg	X31
	Methanol	1 L	X14
	Acetone	1 L	X20
	Compressed air	(4) 'A' cyl's ~ 200 L	n/a
	Nitric oxide	(1) 'A' cyl ~ 50 ft3	X01
	Polystyrene spheres (polymer u-sphere?)	100 ml	n/a
	Deionized water	10 L	n/a
	LTI, UHSAS, NMASS & Cloud probes (FD, Sta. 2, AMPS pod, & Sta. 11)		
	Ammonium sulfate	<300 g	X16
	Methanol	0.5 L	X14
	Acetone	0.1 L	X20
	Dow high vacuum grease	90 ml	X50
	RTV108	90 ml	X76
	Nitrogen	(1) 150 ft3	n/a
	Nitrogen	(1) 50 ft3	n/a
	Loctite 242	10 ml	X59
	Silica gel	<2 kg	X26
	Polystyrene latex spheres	(5) 100 ml bottles	n/a
	Fluorinert FC-43 100%	<1 L	X22
	Themalcote	40 ml	X75
	Dow-Corning 3140 RTV	90 ml	X77
	210Po alpha air ionizer	<20 mCi	n/a
	Techni-tool tech duster	(2) 10 oz cans	n/a
	Paasch airbrush propellant	(4) 15 oz cans	n/a
	Ascarite dessicant	<2 kg	X25
Glass beads	(4) 5 g bottles	n/a	
Deionized water	4 L	n/a	
Micro90 cleaning solution	8 oz bottle	n/a	
NOy/O3 (Sta. C3X)	Pure carbon monoxide (CO)	117 ft3	X03
	Pure nitric oxide (NO)	56 ft3	X01

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	Pure oxygen (O ₂)	514 ft ³	X02
	Air standard	100 ft ³	n/a
	Nitric oxide (NO) 1.5 ppm in N ₂	30 ft ³	X04
	Compressed air	700 ft ³	n/a
	Water	4 L	n/a
	Dry ice (solid CO ₂)	250 lbs	X23
	Activated charcoal (C)	750 grams	X36
	Zinc sulfide (ZnS)	25 grams	n/a
	N-150 Envicat catalyst	1000 g	n/a
AMS (Sta. 3)	Ammonium nitrate	20 g	X18
	Methanol	0.5 L	X14
	n-Butanol	1 L	X15
	Isopropanol	1 L	X17
	Compressed air	(1) 150 ft ³	n/a
	Helium	(1) 50 ft ³	n/a
	Apiezon L grease	25 g	X50
	Mini-Buck soap solution	100 ml	n/a
	Snoop	100 ml	n/a
	Silica gel	2 kg	X26
	CO ₂	(3) 5.6 ft ³	X30
PILS (Sta. 3)	Compressed air	(1) 150 ft ³	n/a
	Lithium fluoride	25 g	X47
	Glycerin	160 ml	n/a
	Methanol	4 L	X14
	2% sodium carbonate in methanol/water	1 L	X78
	2% phosphoric acid in methanol/water	1 L	X79
SP2 (Sta. 3)	Drierite	2000 g	X31
	Arctic silver thermal compound	10 g	X53
	RTV 106 silicone sealant	10 g	X51
	Methanol	10 cc	X14
	Carbon spherical powders	10 g	X38
	Devcon five minute epoxy	50 g	X55
	Ethanol	0.5 L	X21
	Deionized water	2 L	n/a
	Compressed air - Aeroduster	2 cans	n/a
	Krazy glue	5 g	X56
	Polystyrene latex spheres	20 g	n/a
QCLS (Sta. 4)	Compressed air	0.12 ft ³	n/a
	Dry ice (solid CO ₂)	7.5 kg	X23
	Ethylene glycol in water	50%, 500 ml	n/a
	Liquid nitrogen	1 L	n/a

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PANs (Sta. 5)	Methyl iodide 0.1% in N2	2 x 30 ft3	X10
	Acetone	1 L	X20
	210Po alpha air ionizer	<20mCi (x2 units)	n/a
	20 ppm acetone in air	30 ft3	X80
	100 ppm mixture of NO in N2	2.6 ft3	X04
CO2/CH4 (Sta. 5)	CO2 and CH4 in air	90 ft3	n/a
	CO2 and CH4 in air	3 x 90 ft3	n/a
	Dry ice (solid CO2)	50 lbs	X23
SO2 (Sta. 6a)	SO2 10 ppmv in nitrogen	30 ft3	X05
	Compressed air	30 ft3	n/a
	Techni-tool tech duster	284 g	n/a
	Krytox grease	56.7 grams	n/a
SSFR/CG4 (Sta. 6b)	RTV 108 sealant	80 ml	X76
HNO3/NH3 (Sta. 7, LIPF)	Ethanol	4 L	X21
	Loctite 242	10 ml	X59
	Baking soda	454 g	n/a
	Ammonia 100%	171 g	X11
	210Po alpha air ionizer	<20 mCi (2 units)	n/a
	Water	4 L	n/a
	Busch 580 pump oil	3 qts	X81
	Liquid nitrogen	160 L	n/a
	Nitrogen	5 x 150 ft3	n/a
	Nitrogen	2 x 50 ft3	n/a
	Techni-tool tech duster	284 g	n/a
	HNO3 70% in H2O	1 ml	X37
	Acetone 2.5% in N2	2.0 L, 100 psi	X80
	SiF4 0.5% in N2	1.7 L, 60 psi	X08
	Dow Corning vacuum grease	150 g	X86
	Hysol 1C	119 g	X73
Ammonia scrubbing media	100 g	n/a	
Isopropanol	1 pt	X17	
CaRDS (ARNOLD) (Dual Pass)	Methanol - laser dye solution	(5) 1 L bottles	X14
	DCM - in above solution	(5) 100 mg in sol'n	X33
	LDS 698 - in above solution	(5) 100 mg in sol'n	X34
	DCM	1 g crystalline solid	X33
	LDS 698	1 g crystalline solid	X34
	NO 100 ppm in N2	(7) 6 ft3, 2200 psi	X04
	NO 500 ppm in N2	(2) 6 ft3, 2200 psi	X04
	Compressed air	(5) 50 ft3, 2200 psi	n/a
	Oxygen	(1) 6 ft3, 2200 psi	X02

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	Compressed helium	(1) 10 ft ³ , 2200 psi	n/a
	Acetone	100 ml	X20
	Methanol	100 ml	X14
	Distilled water	2 Gal	n/a
	Torr seal	1 tube	X73
	Tech duster	(4) 0.5 L cans	n/a
	Thermal cote	100 g	X75
PTRMS (Sta. 8)	Water	0.5 L	n/a
	Torr seal	100 ml	X73
	Activated charcoal	1 L	X36
	Paraformaldehyde perm tube	2 mg	X98
AFSR (Zaphrod) (J Cab.)	Drierite	20 g	X31
	Loctite 242	10 g	X59
	Acetone	0.01 L	X20
	Windex	1 L	n/a
	Methanol	0.01 L	X14
	Apiezon vacuum grease	100 g	X50
	Isopropanol	0.1 L	X17
CO (CO pod)	CO 10 ppmv in air	5.4 ft ³	X06
	Compressed air	5.4 ft ³	n/a
	CO ₂ 0.25% in Ar	5.4 ft ³	X13
AWAS (AMPS pod)	Liquid nitrogen	160 L	n/a
	Compressed helium	230 ft ³	n/a
	Compressed helium	20 ft ³	n/a
	Compressed air	230 ft ³	n/a
	Methanol	1 L	X14
	Cool Tool II cutting fluid	5 oz	n/a
	Duoseal vacuum pump oil	1.75 L	n/a
	HPLC water	750 ml	n/a
	Snoop	500 ml	n/a