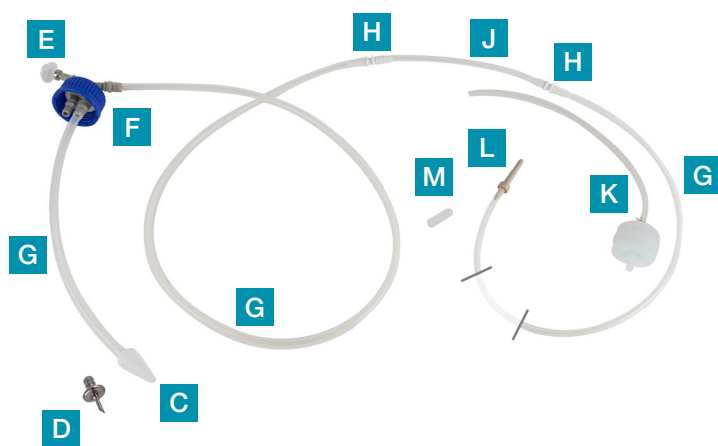
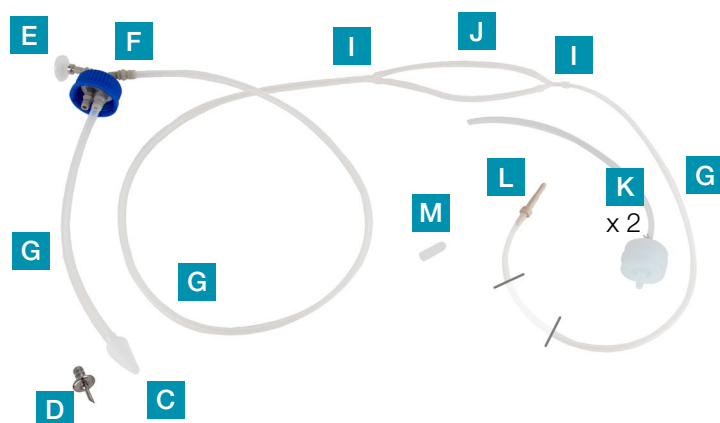


Tubings guide

A Dispensing assembly



B Dispensing assembly for Booster Kit / FlexiPump Pro



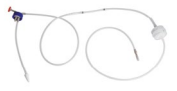
- C** Tube weight
- D** Trocar
- E** PTFE filter
- F** Autoclavable GL45 stopper
- G** Silicone tubings
- H** Straight connectors
- I** Y connectors
- J** Tygon™ tubings for pump
- K** Tygon™ tubings for pump with 0,2 µm filter
- L** Nozzles
- M** Protection cap

	Ref.	Designation	Description	Qty	Box Dim. (cm) Gross weight (kg)	BabyGravimat	DiluFlow	DiluFlow Pro	DiluFlow Elite 5kg	DiluFlow Elite 1kg	FlexiPump	FlexiPump Pro	FlexiPump Scale
	413 028	Tube weights (Ø 3 mm)	Set of 5 tube weights (inner Ø 3 mm) C	5	12x8 0.04						•	•	•
	505 012	Adjustable nozzles (L 23.5 cm - tubings Ø 3.2 mm)	Set of 5 adjustable PEEK nozzles (Length: 23.5 cm - For inner Ø 3.2 mm tubings) L	5	27x42 0.35		•	•		•			
	505 013	Adjustable nozzles (L 12 cm - tubings Ø 6.4 mm)	Set of 5 adjustable PEEK nozzles (Length: 12 cm - For inner Ø 6.4 mm tubings) L	5	14x8 0.15		•	•	•				
	513 007	0.2 µm PTFE filters (Ø 55 mm)	Set of 5 autoclavable filters (0.2 µm - 55 mm) for GL45 bottle E	5	18x28 0.10	•							
	513 008	Booster kit dispensing assembly (GL45 - Ø 3.2 mm)	Set of silicone tubings inner Ø 3.2 mm + GL45 screw cap + tube weight + nozzle + cap + filter + "Y" B	1	39x27x15 0.70		•	•	•	•			
	513 009	Tubings + Y (Ø 3.2 mm)	Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + "Y" connectors) - inner Ø 3.2 mm G + J + I	5	35x45 0.47		•	•	•	•			
	513 011	Tubings for pump (Ø 4.8 mm)	Set of 6 Tygon™ tubings for pump part (20 cm). inner Ø 4.8 mm J	6	26x21x11 0.06		•	•	•		•	•	•
	513 016	Dispensing assembly for broth bags (Ø 4.8 mm)	Set of silicone tubings inner Ø 4.8 mm (silicone tubings + Tygon™ tubings + straight connectors) + nozzle + protection cap - Compatible with broth bags G + H + J + L + M	1	20x20 0.12		•	•	•				
	513 020	Trocar	Stainless steel trocar + cap for broth bags D	1	12x10x8 0.03		•	•	•	•	•	•	•

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	Ref.	Designation	Description	Qty	Box Dim. (cm) Gross weight (kg)	BabyGravimat	DiluFlow	DiluFlow Pro	DiluFlow Elite 5kg	DiluFlow Elite 1kg	FlexiPump	FlexiPump Pro	FlexiPump Scale
	513 021	Dispensing assembly (GL45 - Ø 4.8 mm)	Set of silicone tubings inner Ø 4.8 mm + GL45 screw cap + tube weight + nozzle + filter A	1	23x35 0.20	•							
	513 022	Tubings (Ø 4.8 mm)	Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + straight connectors) - inner Ø 4.8 mm G + J + H	5	35x45 0.59	•							
	513 023	PTFE filters 0.2 µm (Ø 25 mm)	Set of 5 autoclavable PTFE filters (0.2 µm) for GL45 bottle E	5	12x10x8 0.02		•	•	•	•	•	•	•
	513 024	Nozzles (tubings Ø 4.8 - 8 mm)	Set of 5 PEEK nozzles + caps for tubings from 4.8 to 8 mm inner diameter L + M	5	15x15x6 0.10		•	•	•	•	•	•	•
	513 039	Tube weights (Ø 6 mm)	Set of 5 PTFE tube weights - Ø 6 mm C	5	8x12 0.30		•	•	•	•	•	•	•
	513 040	Nozzles (tubings Ø 1.6 - 3.2 mm)	Set of 5 PEEK nozzles + caps for tubings from 1.6 to 3.2 mm inner diameter L + M	5	8x12 0.07		•	•	•	•	•	•	•
	513 041	Booster kit dispensing assembly (GL45 - Ø 6.4 mm)	Set of silicone tubings inner Ø 6.4 mm + GL45 screw cap + tube weight + nozzle + cap + filter + "Y" B	1	23x35 0.24		•	•	•	•			
	513 042	Tubings + Y (Ø 6.4 mm)	Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + "Y" connectors) - inner Ø 6.4 mm G + J + I	5	35x45 0.63		•	•	•	•			
	513 043	Dispensing assembly (GL45 - Ø 6.4 mm)	Set of silicone tubings inner Ø 6.4 mm + GL45 screw cap + tube weight + nozzle + cap + filter A	1	23x35 0.22		•	•	•	•			

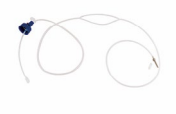
	Ref.	Designation	Description	Qty	Box	BabyGravimat	DiluFlow	DiluFlow Pro	DiluFlow Elite 5kg	DiluFlow Elite 1kg	FlexiPump	FlexiPump Pro	FlexiPump Scale
					Dim. (cm)								
					Gross weight (kg)								
	513 044	Tubings (Ø 6.4 mm)	Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + straight connectors) - inner Ø 6.4 mm G + J + H	5	35x45		•	•	•	•			
					0.59								
	513 045	Dispensing assembly (GL45 - Ø 3.2 mm)	Set of silicone tubings inner Ø 3.2 mm + GL45 screw cap + tube weight + nozzle + cap + filter A	1	23x35		•	•	•	•			
					0.20								
	513 047	Tubings (Ø 3.2 mm)	Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + straight connectors) - inner Ø 3.2 mm G + J + H	5	35x45		•	•	•	•			
					0.45								
	513 048	Cap (Ø 1.6 - 3.2 mm)	Set of 5 protections for nozzles (tubings Ø 1.6 - 3.2 mm) or trocar M	5	8x12		•	•	•	•	•	•	•
					0.01								
	513 049	Cap (Ø 4.8 - 8 mm)	Set of 5 protections for nozzles (tubings Ø 4.8 - 8 mm) M	5	8x12		•	•	•	•	•	•	•
					0,01								
	513 050	Dispensing assembly with 0.2 µm filter (GL45 - Ø 6.4 mm)	Set of silicone tubings inner Ø 6.4 mm + GL45 screw cap + filter + tube weight + nozzle + cap + 0.2 µm filter - Compatible with gravimetric dilutors range A	1	22x36x10		•	•	•	•			
					0.25								
	513 051	Dispensing assembly + Y with 0.2 µm filter (GL45 - Ø 6.4 mm)	Set of silicone tubings inner Ø 6.4 mm + GL45 screw cap + filter + tube weight + nozzle + cap + "Y" + 2 filters 0.2 µm - Compatible with gravimetric dilutors range B	1	22x36x10		•	•	•	•			
					0.38								
	513 052	Tubings for pump Steriwater (Ø 6.4 mm)	Set of 2 Tygon™ tubing for pump part (50 cm) + 2 filters 0.2 µm. inner Ø 6.4 mm K	2	22x36x10		•	•	•	•	•	•	•
					0.23								
	561 050	Dispensing assembly Steriwater (GL45 - Ø 6.4 mm)	Set of silicone tubings inner Ø 6.4 mm + GL45 screw cap + filter + tube weight + nozzle + cap + 0.2 µm filter - Compatible with FlexiPump A	1	22x36x10						•		
					0.27								

	Ref.	Designation	Description	Qty	Box Dim. (cm) Gross weight (kg)	BabyGravimat	DiluFlow	DiluFlow Pro	DiluFlow Elite 5kg	DiluFlow Elite 1kg	FlexiPump	FlexiPump Pro	FlexiPump Scale
	561 101	Dispensing assembly (GL45 - Ø 1.6 mm)	Set of silicone tubings inner Ø 1.6 mm + GL45 screw cap + tube weight + nozzle + cap + filter A	1	39x27x15 0.15						•		
	561 102	Dispensing assembly (GL45 - Ø 3.2 mm)	Set of silicone tubings inner Ø 3.2 mm + GL45 screw cap + tube weight + nozzle + cap + filter A	1	39x27x15 0.20						•		
	561 103	Dispensing assembly (GL45 - Ø 4.8 mm)	Set of silicone tubings inner Ø 4.8 mm + GL45 screw cap + tube weight + nozzle + cap + filter A	1	39x27x15 0.25						•		
	561 104	Dispensing assembly (GL45 - Ø 6.4 mm)	Set of silicone tubings inner Ø 6.4 mm + GL45 screw cap + tube weight + nozzle + cap + filter A	1	39x27x15 0.25						•		
	561 105	Dispensing assembly (GL45 - Ø 8 mm)	Set of silicone tubings inner Ø 8 mm + GL45 screw cap + tube weight + nozzle + cap + filter A	1	39x27x15 0.25						•		
	561 201	Tubings (Ø 1.6 mm)	Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + straight connectors) - inner Ø 1.6 mm G + J + H	5	39x27x15 0.35						•		
	561 202	Tubings (Ø 3.2 mm)	Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + straight connectors) - inner Ø 3.2 mm G + J + H	5	39x27x15 0.46						•		
	561 203	Tubings (Ø 4.8 mm)	Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + straight connectors) - inner Ø 4.8 mm G + J + H	5	39x27x15 0.60						•		
	561 204	Tubings (Ø 6.4 mm)	Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + straight connectors) - inner Ø 6.4 mm G + J + H	5	39x27x15 0.60						•		

	Ref.	Designation	Description	Qty	Box Dim. (cm) Gross weight (kg)	BabyGravimat	DiluFlow	DiluFlow Pro	DiluFlow Elite 5kg	DiluFlow Elite 1kg	FlexiPump	FlexiPump Pro	FlexiPump Scale
	561 205	Tubings (Ø 8 mm)	Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + straight connectors) - inner Ø 8 mm G + J + H	5	39x27x15 0.60						•		
	561 301	Tubings for pump (Ø 1.6 mm)	Set of 6 Tygon™ tubings for pump part (20 cm). Inner Ø 1.6 mm J	6	26x21.1x11 0.03						•	•	•
	561 302	Tubings for pump (Ø 3.2 mm)	Set of 6 Tygon™ tubings for pump part (20 cm). Inner Ø 3.2 mm J	6	26x21.1x11 0.04		•	•	•	•	•	•	•
	561 304	Tubings for pump (Ø 6.4 mm)	Set of 6 Tygon™ tubings for pump part (20 cm). Inner Ø 6.4 mm J	6	26x21.1x11 0.07		•	•	•	•	•	•	•
	561 305	Tubings for pump (Ø 8 mm)	Set of 6 Tygon™ tubings for pump part (20 cm). Inner Ø 8 mm J	6	26x21.1x11 0.08						•	•	•
	561 401	Autoclavable GL45 stopper + 0.2 µm filter	Autoclavable GL45 stopper for GL45 bottle + 0.2 µm filter F	1	10x12 0.04		•	•	•	•	•	•	•
	561 402	Straight connectors (tubings Ø 1.6 mm)	Set of 6 straight plastic connectors for inner Ø 1.6 mm tubings H	6	12x8 0.01						•		
	561 403	Straight connectors (tubings Ø 6.4 - 8 mm)	Set of 6 straight plastic connectors for inner Ø 6.4 and 8 mm tubings H	6	12x8 0.02		•	•	•	•	•		
	561 404	Straight connectors (tubings Ø 3.2 - 4.8 mm)	Set of 6 straight plastic connectors for inner Ø 4.8 and 3.2 mm tubings H	6	12x8 0.01		•	•	•	•	•		

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	Ref.	Designation	Description	Qty	Box	BabyGravimat	DiluFlow	DiluFlow Pro	DiluFlow Elite 5kg	DiluFlow Elite 1kg	FlexiPump	FlexiPump Pro	FlexiPump Scale
					Dim. (cm)								
					Gross weight (kg)								
	562 051	Dispensing assembly + Y Steriwater (GL45 - Ø 6.4 mm)	Set of silicone tubings inner Ø 6.4 mm + GL45 screw cap + filter + tube weight + nozzle + cap + "Y" + 2 filters 0.2 µm - Compatible with FlexiPump Pro and FlexiPump Scale B	1	22x36x10							•	•
					0.40								
	562 101	Dispensing assembly + Y (GL45 - Ø 1.6 mm)	Set of silicone tubings inner Ø 1.6 mm + GL45 screw cap + tube weight + nozzle + cap + filter + "Y" B	1	39x27x15							•	•
					0.13								
	562 102	Dispensing assembly + Y (GL45 - Ø 3.2 mm)	Set of silicone tubings inner Ø 3.2 mm + GL45 screw cap + tube weight + nozzle + cap + filter + "Y" B	1	20x20x10							•	•
					0.20								
	562 103	Dispensing assembly + Y (GL45 - Ø 4.8 mm)	Set of silicone tubings inner Ø 4.8 mm + GL45 screw cap + tube weight + nozzle + cap + filter + "Y" B	1	35x21x10							•	•
					0.25								
	562 104	Dispensing assembly + Y (GL45 - Ø 6.4 mm)	Set of silicone tubings inner Ø 6.4 mm + GL45 screw cap + tube weight + nozzle + cap + filter + "Y" B	1	25x20x10							•	•
					0.25								
	562 105	Dispensing assembly + Y (GL45 - Ø 8 mm)	Set of silicone tubings inner Ø 8 mm + GL45 screw cap + tube weight + nozzle + cap + filter + "Y" B	1	35x21x10							•	•
					0.25								
	562 201	Tubings + Y (Ø 1.6 mm)	Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + "Y" connectors) - inner Ø 1.6 mm G + J + I	5	25x25x10							•	•
					0.40								
	562 202	Tubings + Y (Ø 3.2 mm)	Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + "Y" connectors) - inner Ø 3.2 mm G + J + I	5	30x20x10							•	•
					0.50								
	562 203	Tubings + Y (Ø 4.8 mm)	Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + "Y" connectors) - inner Ø 4.8 mm G + J + I	5	30x20x10							•	•
					0.65								

	Ref.	Designation	Description	Qty	Box Dim. (cm) Gross weight (kg)	BabyGravimat	DiluFlow	DiluFlow Pro	DiluFlow Elite 5kg	DiluFlow Elite 1kg	FlexiPump	FlexiPump Pro	FlexiPump Scale
	562 204	Tubings + Y (Ø 6.4 mm)	Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + "Y" connectors) - inner Ø 6.4 mm G + J + I	5	30x20x20 0.65							•	•
	562 205	Tubings + Y (Ø 8 mm)	Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + "Y" connectors) - inner Ø 8 mm G + J + I	5	30x20x20 0.70							•	•
	562 400	Y connectors (tubings Ø 1.6 mm)	Set of 6 "Y" plastic connectors for Ø 1.6 mm tubings I	6	12x8 0.02							•	•
	562 401	Y connectors (tubings Ø 6.4 - 8 mm)	Set of 6 "Y" plastic connectors for Ø 6.4 and 8 mm tubings I	6	12x8 0.02		•	•	•	•		•	•
	562 402	Y connectors (tubings Ø 3.2 mm)	Set of 6 "Y" plastic connectors for Ø 3.2 mm tubings I	6	12x8 0.05		•	•	•	•		•	•
	562 403	Y connectors (tubings Ø 4.8 mm)	Set of 6 "Y" plastic connectors for Ø 4.8 mm tubings I	6	12x8 0.01		•	•	•			•	•

CLEANING INSTRUCTIONS

- Cleaning conditions: circulate distilled water for rinsing before autoclaving. Conditions depend on the nature of the fluid.
- To rinse tubing using gravimetric dilutors:
 - Take a bottle containing water or other rinsing fluid.
 - Immerse the tube weight and its tubing in the bottle.
 - Leaving the tubing inserted in the pump, remove the nozzle from the dispenser arm and plunge it into the rinsing bottle.
 - Select the dispensing mode, choose 100 g to dispense and press the "GO" button.
 - The tubing is rinsed.
 - Repeat this operation as many times as necessary.

AUTOCLAVING INSTRUCTIONS

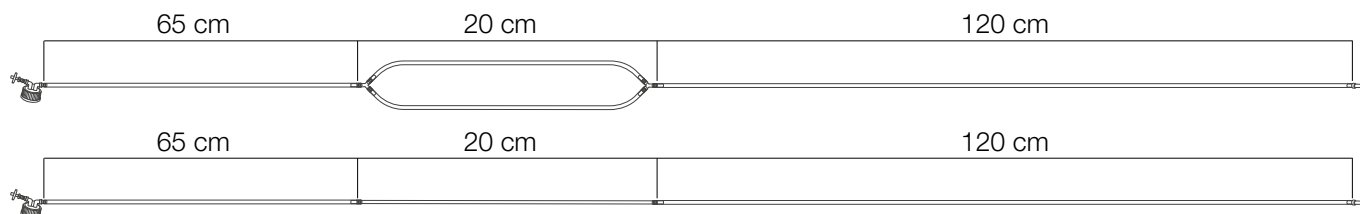
- Autoclaving instructions : wet heat (steam) at 121°C for 20 minutes.
- Autoclavable: dispensing sets, filter, bottle.
- Autoclave the dispensing unit daily when working with nutrient solutions for microorganisms
- Every 20 autoclaves: change the air filter

WHEN TO REPLACE THE TUBINGS?

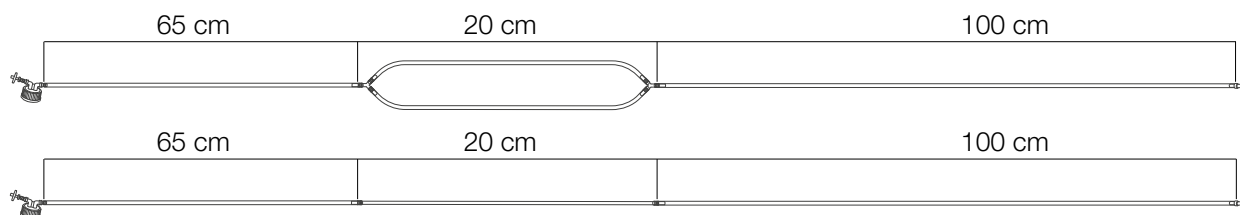
- For silicone tubings: necessary if the tube is no longer airtight, becomes sticky or hard.
- For Tygon™ pump tubings: observation of a problem in operation, blockage, deformed tubing, piercing.

DIMENSIONS OF DISPENSING ASSEMBLIES

- For **DiluFlow**, **DiluFlow Pro**, **DiluFlow Elite 5 kg**, **DiluFlow Elite 1 kg**:



- For **FlexiPump**, **FlexiPump Pro**, **FlexiPump Scale**:



CHEMICAL COMPATIBILITY

E : Excellent / G : Good / F : Fair / U : Not Recommended

Environment, % Conc.* w-Water alc-Alcohol	Tygon™ 3350	Silicone	Environment, % Conc.* w-Water alc-Alcohol	Tygon™ 3350	Silicone	Environment, % Conc.* w-Water alc-Alcohol	Tygon™ 3350	Silicone
Acetaldehyde	F	F	Calcium Nitrate, 55% in w	E	E	Fuel Oil	U	U
Acetamide, 67% in w	F	G	Calcium Salts	E	E	Furfural	U	U
Acetate Solvents	U	U	Calcium Sulfate, 1% in w	E	E	Gallic Acid, 17% in acetone	U	U
Acetic Acid, 10% in w	E	E	Carbon Dioxide, Wet/Dry	E	E	Gasoline, Automotive	U	U
Acetic Acid, 50-60% in w	E	E	Carbon Disulfide	U	U	Gelatin	E	E
Acetic Acid, Glacial, 100%	U	U	Carbon Monoxide	E	E	Glucose, 50% in w	E	E
Acetic Anhydride	E	F	Carbon Tetrachloride	U	U	Glycerol, (Glycerin)	E	E
Acetone	F	U	Carbonic Acid	E	G	Glycolic Acid, 70% in w	E	E
Acetonitrile	U	U	Castor Oil	E	E	Heptane	U	U
Acetyl Bromide	U	U	Cellosolve	U	U	Hexane	U	U
Acetyl Chloride	U	U	Cellosolve Acetate	U	U	Hydrazine	U	U
Acetylene Gas	E	F	Chlorine, Dry Gas	U	U	Hydrobromic Acid, 20-50% in w	U	U
Acrylonitrile	U	U	Chlorine, Wet Gas	U	U	Hydrobromic Acid, 100% in w	U	U
Adipic Acid, 100% in alc	U	U	Chloroacetic Acid, 20% in w	E	G	Hydrochloric Acid, 10% in w	E	E
Air	E	E	Chlorobenzene, Mono, Di, Tri	U	U	Hydrochloric Acid, 37% in w	U	U
Alcohols General	G	E	Chloroform	U	U	Hydrocyanic Acid	E	E
Aliphatic Hydrocarbons	U	U	Chlorosulfonic Acid	U	U	Hydrofluoric Acid, 10% in w	U	U
Allyl Alcohol	U	U	Chromic Acid, 10-20% in w	U	U	Hydrofluoric Acid, 25% in w	U	U
Alum, 5% in w	E	E	Chromic Acid, 50% in w	U	U	Hydrofluoric Acid, 40-48% in w	U	U
Aluminum Chloride, 53% in w	E	E	Citric Acid, 10-20% in w	E	E	Hydrogen Gas	E	E
Aluminum Hydroxide, 2% in w	E	E	Coconut Oil	E	E	Hydrogen Peroxide, 3% in w	E	E
Aluminum Sulfate, 50% in w	E	E	Corn Syrup	E	E	Hydrogen Peroxide, 10% in w	E	E
Aluminum Salts	E	E	Cottonseed Oil	E	E	Hydrogen Peroxide, 30% in w	E	E
Amines	U	U	Cresol (m, o, or p)	G	G	Hydrogen Peroxide, 90% in w	F	F
Ammonia Gas	U	U	Cresylic Acid	U	U	Hydrogen Sulfide	E	E
Ammonia, Anhydrous Liquid	U	U	Cupric Chloride, 40% in w	E	E	Hydroquinone, 7% in w	G	F
Ammonium Acetate, 45% in w	E	E	Cupric Nitrate, 70% in w	E	E	Hypochlorous Acid, 25% in w	E	E
Ammonium Carbonate, 50% in w	E	E	Cupric Sulfate, 13% in w	E	E	Iodine, 50 ppm in w	E	E
Ammonium Hydroxide, 5-10% in w	U	U	Cyclohexane	U	U	Isobutyl Alcohol	U	U
Ammonium Hydroxide, 30% in w	U	U	Cyclohexanone	U	U	Isocetane	U	U
Ammonium Persulfate, 30% in w	E	E	Detergent Solutions	E	G	Isopropyl Acetate	U	U
Ammonium Salts	E	E	Dibutyl Phthalate	E	E	Isopropyl Alcohol	U	U
Ammonium Sulfate, 30% in w	E	E	Diesel Fuel	U	U	Isopropyl Ether	U	U
Amyl Acetate	U	U	Diethylamine, 2.5% in w	U	U	Jet Fuel, JP8	U	U
Amyl Alcohol	U	U	Diethylene Glycol	E	E	Kerosene	U	U
Amyl Chloride	U	U	Dimethylformamide	E	G	Ketones	U	U
Aniline	U	U	Dimethylsulfoxide	F	U	Lacquer Solvents	U	U
Aniline Hydrochloride	U	U	Diocetyl Phthalate	E	E	Lactic Acid, 3-10% in w	E	E
Antimony Salts	E	E	Dioxane	U	U	Lactic Acid, 85% in w	U	U
Aqua Regia	U	U	Ether	U	U	Lard, Animal Fat	E	E
Aromatic Hydrocarbons	U	U	Ethyl Acetate	U	U	Lead Acetate, 35% in w	E	E
Arsenic Acid, 20% in w	F	U	Ethyl Alcohol (Ethanol)	G	F	Lead Salts	E	E
Arsenic Salts	E	E	Ethyl Benzoate	U	U	Lemon Oil	U	U
ASTM Reference No. 1 Oil	E	G	Ethyl Chloride	U	U	Limonene-D	U	U
ASTM Reference No. 2 Oil	G	G	Ethyl Ether	U	U	Linoleic Acid	G	F
ASTM Reference No. 3 Oil	U	U	Ethylene Bromide	E	E	Linseed Oil	E	E
Barium Carbonate, 1% in w	E	E	Ethylene Chlorohydrin	G	G	Lubricating Oils, Petroleum	G	G
Barium Hydroxide, 5% in w	E	E	Ethylene Dichloride	U	U	Magnesium Carbonate, 1% in w	E	E
Beer	E	E	Ethylene Glycol	E	E	Magnesium Chloride, 35% in w	E	E
Benzaldehyde	F	F	Ethylene Oxide	E	F	Magnesium-Hydroxide, 10% indil.acids	E	E
Benzene	U	U	Fatty Acids	G	F	Magnesium Nitrate, 50% in w	E	E
Benzenesulfonic Acid	U	U	Ferric Chloride, 43% in w	E	E	Magnesium Sulfate, 25% in w	E	E
Benzoic Acid	U	U	Ferric Nitrate, 60% in w	E	E	Maleic Acid, 30% in w	G	F
Benzyl Alcohol	E	E	Ferric Sulfate, 5% in w	E	E	Malic Acid, 36% in w	E	E
Bleach Liquor, 22% in w	U	G	Ferrous Chloride, 40% in w	E	E	Manganese Salts	E	E
Borax, 6% in w	E	G	Ferrous Sulfate, 5% in w	E	E	Mercuric Chloride, 6% in w	E	E
Boric Acid, 4% in w	E	G	Fluoboric Acid, 48% in w	U	U	Mercuric Cyanide, 8% in w	E	E
Bromine, Anhydrous Liquid	U	U	Fluorine Gas	U	U	Mercury	E	E
Butadiene	E	E	Fluosilicic Acid, 25% in w	F	U	Mercury Salts	E	E
Butane	E	E	Formaldehyde, 37% in w	F	F	Methane Gas	E	F
Butyl Acetate	U	U	Formic Acid, 25% in w	E	G	Methyl Alcohol (Methanol)	G	G
Butyl Alcohol	U	U	Formic Acid, 40-50% in w	E	F	Methyl Acetate	U	U
Butyric Acid	U	U	Formic Acid, 98% in w	E	F	Methyl Bromide	U	U
CalciumCarbonate, 25% indiluteacids	E	E	Freon 11	E	E	Methyl Chloride	U	U
Calcium Chloride, 30% in w	E	E	Freon 12	E	E	Methyl Ethyl Ketone	U	U
CalciumHydroxide, 10% inglycerol	E	G	Freon 22	E	E	Methyl Isobutyl Ketone	U	U
Calcium Hypochlorite, 20% in w	U	G	Fruit Juice	E	E	Methylene Chloride	U	U

Environment, % Conc.* w-Water alc-Alcohol	Tygon™ 3350	Silicone
Methyl Methacrylate	U	U
Milk	E	E
Mineral Oil	U	U
Mineral Spirits	U	U
Molasses	E	E
Monoethanolamine	U	U
Motor Oil	U	U
Naphtha	U	U
Naphthalene	U	U
Natural Gas	E	F
Nickel Chloride, 40% in w	E	E
Nickel Nitrate, 75% in w	E	E
Nickel Salts	E	E
Nickel Sulfate, 25% in w	E	E
Nitric Acid, 10% in w	F	F
Nitric Acid, 35% in w	U	U
Nitric Acid, 68-71% in w	U	U
Nitrobenzene	U	U
Nitromethane	U	U
Nitrous Acid, 10% in w	G	G
Nitrous Oxide	E	G
Oils, Animal	E	E
Oils, Essential	U	U
Oils, Hydraulic (Phosphate Ester)	U	U
Oils, Hydrocarbon	G	G
Oils, Vegetable	E	E
Oleic Acid	G	F
Oleum, 25% in w	G	G
Ortho Dichlorobenzene	U	U
Oxalic Acid, 12% in w	E	F
Oxygen	E	E
Ozone, 300pphm	E	U
Palmitic Acid, 100% in ether	G	F
Paraffins	U	U
Perchloric Acid, 67% in w	U	U
Perchloroethylene	U	U
Phenol, 5-10% in w	E	U
Phenol, 91% in w	G	U
Phosphoric Acid, <10% in w	F	U

Environment, % Conc.* w-Water alc-Alcohol	Tygon™ 3350	Silicone
Phosphoric Acid, 25% in w	U	U
Phosphoric Acid, 85% in w	U	U
Phosphorous Trichloride Acid	U	U
Photographic Solutions	G	F
Phthalic Acid, 9% in alc	G	F
Phthalic Anhydride, 9% in alc	E	F
Picric Acid, 1% in w	U	U
Plating Solutions	U	U
Potassium Carbonate, 55% in w	E	E
Potassium Cyanide, 33% in w	E	E
Potassium Dichromate, 5% in w	E	E
Potassium Hydroxide, <10% in w	E	G
Potassium Iodide, 56% in w	E	E
Potassium Permanganate, 6% in w	E	E
Potassium Salts	E	E
Propane Gas	E	F
Propylene Glycol	E	E
Propylene Oxide	E	E
Pyridine	U	U
Salicylic Acid, 1% in w	E	E
Silicone Oils	U	U
Silver Nitrate, 55% in w	E	E
Skydrol 500A	U	U
Soap Solutions	E	F
Sodium Acetate, 55% in w	U	U
Sodium Benzoate, 22% in w	E	E
Sodium Bicarbonate, 7% in w	E	E
Sodium Carbonate, 7% in w	E	E
Sodium Chlorate, 45% in w	E	E
Sodium Chloride, 20% in w	E	E
Sodium Cyanide, 30% in w	E	G
Sodium Fluoride, 3% in w	E	E
Sodium Hydroxide, 10-15% in w	E	E
Sodium Hydroxide, 30-40% in w	E	G
Sodium Hypochlorite, 5.5% in w	U	E
Sodium Hypochlorite, 12.2% in w	U	G
Sodium Nitrate, 3.5% in w	E	E
Sodium Salts	E	E
Sodium Sulfate, 5% in w	E	E

Environment, % Conc.* w-Water alc-Alcohol	Tygon™ 3350	Silicone
Sodium Sulfide, 45% in w	E	E
Stannic Chloride, 50% in w	E	E
Stannous Chloride, 45% in w	E	E
Stearic Acid, 5% in alc	G	F
Styrene Monomer	U	U
Sulfur Chloride	U	U
Sulfur Dioxide, Gas Dry	E	G
Sulfur Dioxide, Gas Wet	E	G
Sulfur Trioxide, Wet	G	F
Sulfuric Acid, 10% in w	E	E
Sulfuric Acid, 30% in w	G	G
Sulfuric Acid, 95-98% in w	U	U
Sulfurous Acid	E	E
Tannic Acid, 75% in w	E	F
Tartaric Acid, 56% in w	E	G
Tetrahydrofuran	U	U
Thionyl Chloride	E	G
Tin Salts	E	E
Titanium Salts	E	E
Toluene	U	U
Trichloroacetic Acid, 90% in w	E	G
Trichloroethane	U	U
Triethanolamine	U	U
Trichloroethylene	U	U
Trichloropropane	U	U
Tricresyl Phosphate	E	E
Trisodium Phosphate	E	E
Turpentine	U	U
Urea, 20% in w	E	G
Uric Acid	E	G
Vinegar	E	E
Vinyl Acetate	U	U
Water, Deionized	E	E
Water, Distilled	E	E
Xylene	U	U
Zinc Chloride, 80% in w	E	E
Zinc Salts	E	E

* If concentration is not given, assume 100 % concentration or maximum percentage solubility in water.

NOTE: Concentrations of liquids at room temperature are given as % by volume. Concentrations of solids at room temperature are given in % by weight.