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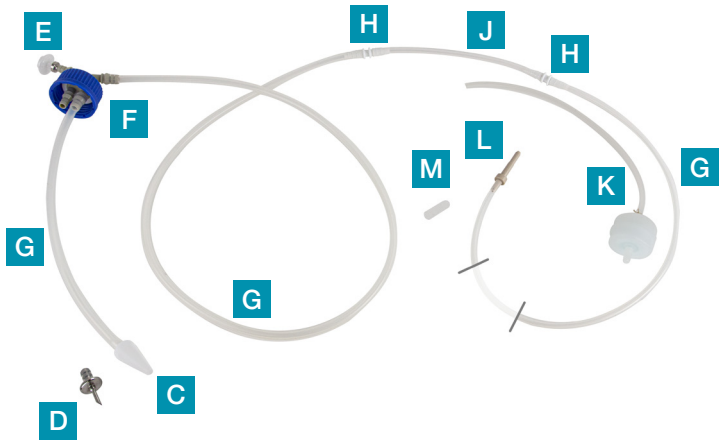
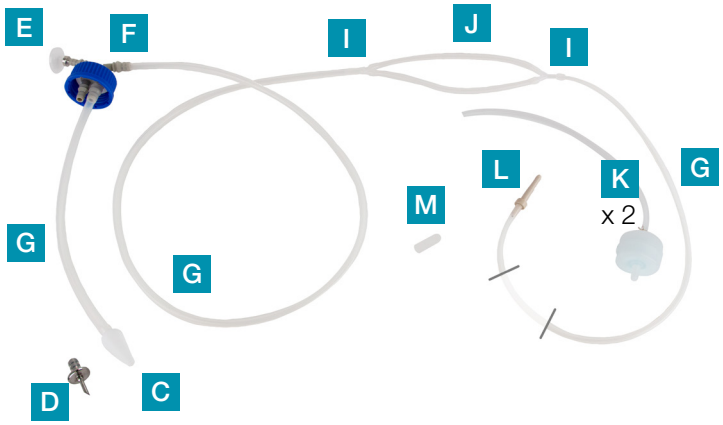
TECHNICAL NOTE

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

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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
	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 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 nozzles (Length: 12 cm - For inner Ø 6.4 mm tubings) L	5	14x8 0.15		•	•	•			
	505 017	Nozzle cap for trocar	Set of 10 nozzles cap for trocart M	10	8x12 0.01		•	•	•	•	•	•
	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 + 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)	Distribution assembly Ø 4.8 mm for broth bags G + H + J + L + M	1	20x20 0.12		•	•	•			

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	513 020	Trocar	Trocar for broth bags D	1	12x10x8 0.03		•	•	•	•	•	•
	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 filters (0.2 µm) for GL45 bottle E	5	12x10x8 0.02		•	•	•	•	•	•
	513 024	Nozzles (tubings Ø 4.8 - 8 mm)	Set of 5 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 tube weights - Ø 6 mm C	5	8x12 0.30		•	•	•	•	•	•
	513 040	Nozzles (tubings Ø 1.6 - 3.2 mm)	Set of 5 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 + 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		•	•	•	•		

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	513 043	Dispensing assembly (GL45 - Ø 6.4 mm)	Set of silicone tubings inner Ø 6.4 mm + GL45 screw cap + tube weight + nozzle + filter **A**	1	23x35 0.22		•	•	•	•		
	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 + 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	Nozzle cap (Ø 1.6 - 3.2 mm)	Set of 10 protection cap for nozzles. For tubings from 1.6 to 3.2 mm inner diameter **M**	10	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 + 0.2 µm filter **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 + "Y" + 2 filters 0.2 µm **B**	1	22x36x10 0.38		•	•	•	•		
	513 052	Tubings for pump with filter 0.2 µm (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 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 + 0.2 µm filter for FlexiPump® **A**	1	22x36x10 0.27						•	

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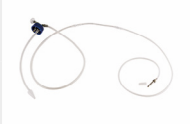
	Ref.	Designation	Description	Qty	Box Dim. (cm) Gross weight (kg)	BabyGravimat®	DiluFlow®	DiluFlow® Pro	DiluFlow® Elite 5kg	DiluFlow® Elite 1kg	FlexiPump®	FlexiPump® Pro
	561 101	Dispensing assembly (GL45 - Ø 1.6 mm)	Set of silicone tubings inner Ø 1.6 mm + GL45 screw cap + tube weight + nozzle + filter 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 + 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 + 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 + 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 + 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						•	

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	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 + 0.2 µm filter F	1	10x12 0.04		•	•	•	•	•	•
	561 402	Straight connectors (tubings Ø 1.6 mm)	Set of 6 straight 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 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 connectors for inner Ø 4.8 and 3.2 mm tubings H	6	12x8 0.01		•	•	•	•	•	

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	562 051	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 + "Y" + 2 filters 0.2 µm for FlexiPump® Pro 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 + 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 + 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 + 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 + 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 + 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							•

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	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" 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" 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" connectors for Ø 3.2 mm tubings I	6	12x8 0.05		•	•	•	•		•

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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.

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CHEMICAL COMPATIBILITY

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

Environment, % Conc.* w-Water alc-Alcohol	Tygon™ 3350	Silicone
Acetaldehyde	F	F
Acetamide, 67% in w	E	G
Acetate Solvents	U	U
Acetic Acid, 10% in w	E	E
Acetic Acid, 50-60% in w	E	E
Acetic Acid, Glacial, 100%	U	U
Acetic Anhydride	E	F
Acetone	F	U
Acetonitrile	U	U
Acetyl Bromide	U	U
Acetyl Chloride	U	U
Acetylene Gas	E	F
Acrylonitrile	U	U
Adipic Acid, 100% in alc	U	U
Air	E	E
Alcohols General	G	E
Aliphatic Hydrocarbons	U	U
Allyl Alcohol	U	U
Alum, 5% in w	E	E
Aluminum Chloride, 53% in w	E	E
Aluminum Hydroxide, 2% in w	E	E
Aluminum Sulfate, 50% in w	E	E
Aluminum Salts	E	E
Amines	U	U
Ammonia Gas	U	U
Ammonia, Anhydrous Liquid	U	U
Ammonium Acetate, 45% in w	E	E
Ammonium Carbonate, 50% in w	E	E
Ammonium Hydroxide, 5-10% in w	U	U
Ammonium Hydroxide, 30% in w	U	U
Ammonium Persulfate, 30% in w	E	E
Ammonium Salts	E	E
Ammonium Sulfate, 30% in w	E	E
Amyl Acetate	U	U
Amyl Alcohol	U	U
Amyl Chloride	U	U
Aniline	U	U
Aniline Hydrochloride	U	U
Antimony Salts	E	E
Aqua Regia	U	U
Aromatic Hydrocarbons	U	U
Arsenic Acid, 20% in w	F	U
Arsenic Salts	E	E
ASTM Ref.erence No. 1 Oil	E	G
ASTM Ref.erence No. 2 Oil	G	G
ASTM Ref.erence No. 3 Oil	U	U
Barium Carbonate, 1% in w	E	E
Barium Hydroxide, 5% in w	E	E
Beer	E	E
Benzaldehyde	F	F
Benzene	U	U
Benzenesulfonic Acid	U	U
Benzoic Acid	U	U
Benzyl Alcohol	E	E
Bleach Liquor, 22% in w	U	G
Borax, 6% in w	E	G
Boric Acid, 4% in w	E	G
Bromine, Anhydrous Liquid	U	U
Butadiene	E	E
Butane	E	E
Butyl Acetate	U	U
Butyl Alcohol	U	U
Butyric Acid	U	U
CalciumCarbonate,25%indiluteacids	E	E
Calcium Chloride, 30% in w	E	E
CalciumHydroxide,10%inglycerol	E	G
Calcium Hypochlorite, 20% in w	U	G

Environment, % Conc.* w-Water alc-Alcohol	Tygon™ 3350	Silicone
Calcium Nitrate, 55% in w	E	E
Calcium Salts	E	E
Calcium Sulfate, 1% in w	E	E
Carbon Dioxide, Wet/Dry	E	E
Carbon Disulfide	U	U
Carbon Monoxide	E	E
Carbon Tetrachloride	U	U
Carbonic Acid	E	G
Castor Oil	E	E
Cellosolve	U	U
Cellosolve Acetate	U	U
Chlorine, Dry Gas	U	U
Chlorine, Wet Gas	U	U
Chloroacetic Acid, 20% in w	E	G
Chlorobenzene, Mono, Di, Tri	U	U
Chloroform	U	U
Chlorosulfonic Acid	U	U
Chromic Acid, 10-20% in w	U	U
Chromic Acid, 50% in w	U	U
Citric Acid, 10-20% in w	E	E
Coconut Oil	E	E
Corn Syrup	E	E
Cottonseed Oil	E	E
Cresol (m, o, or p)	G	G
Cresylic Acid	U	U
Cupric Chloride, 40% in w	E	E
Cupric Nitrate, 70% in w	E	E
Cupric Sulfate, 13% in w	E	E
Cyclohexane	U	U
Cyclohexanone	U	U
Detergent Solutions	E	G
Dibutyl Phthalate	E	E
Diesel Fuel	U	U
Diethylamine, 2.5% in w	U	U
Diethylene Glycol	E	E
Dimethylformamide	E	G
Dimethylsulfoxide	F	U
Dioctyl Phthalate	E	E
Dioxane	U	U
Ether	U	U
Ethyl Acetate	U	U
Ethyl Alcohol (Ethanol)	G	F
Ethyl Benzoate	U	U
Ethyl Chloride	U	U
Ethyl Ether	U	U
Ethylene Bromide	E	E
Ethylene Chlorohydrin	G	G
Ethylene Dichloride	U	U
Ethylene Glycol	E	E
Ethylene Oxide	E	F
Fatty Acids	G	F
Ferric Chloride, 43% in w	E	E
Ferric Nitrate, 60% in w	E	E
Ferric Sulfate, 5% in w	E	E
Ferrous Chloride, 40% in w	E	E
Ferrous Sulfate, 5% in w	E	E
Fluoboric Acid, 48% in w	U	U
Fluorine Gas	U	U
Fluosilicic Acid, 25% in w	F	U
Formaldehyde, 37% in w	F	F
Formic Acid, 25% in w	E	G
Formic Acid, 40-50% in w	E	F
Formic Acid, 98% in w	E	F
Freon 11	E	E
Freon 12	E	E
Freon 22	E	E
Fruit Juice	E	E

Environment, % Conc.* w-Water alc-Alcohol	Tygon™ 3350	Silicone
Fuel Oil	U	U
Furfural	U	U
Gallic Acid, 17% in acetone	U	U
Gasoline, Automotive	U	U
Gelatin	E	E
Glucose, 50% in w	E	E
Glycerol, (Glycerin)	E	E
Glycolic Acid, 70% in w	E	E
Heptane	U	U
Hexane	U	U
Hydrazine	U	U
Hydrobromic Acid, 20-50% in w	U	U
Hydrobromic Acid, 100% in w	U	U
Hydrochloric Acid, 10% in w	E	E
Hydrochloric Acid, 37% in w	U	U
Hydrocyanic Acid	E	E
Hydrofluoric Acid, 10% in w	U	U
Hydrofluoric Acid, 25% in w	U	U
Hydrofluoric Acid, 40-48% in w	U	U
Hydrogen Gas	E	E
Hydrogen Peroxide, 3% in w	E	E
Hydrogen Peroxide, 10% in w	E	E
Hydrogen Peroxide, 30% in w	E	E
Hydrogen Peroxide, 90% in w	F	F
Hydrogen Sulfide	E	E
Hydroquinone, 7% in w	G	F
Hypochlorous Acid, 25% in w	E	E
Iodine, 50 ppm in w	E	E
Isobutyl Alcohol	U	U
Isooctane	U	U
Isopropyl Acetate	U	U
Isopropyl Alcohol	U	U
Isopropyl Ether	U	U
Jet Fuel, JP8	U	U
Kerosene	U	U
Ketones	U	U
Lacquer Solvents	U	U
Lactic Acid, 3-10% in w	E	E
Lactic Acid, 85% in w	U	U
Lard, Animal Fat	E	E
Lead Acetate, 35% in w	E	E
Lead Salts	E	E
Lemon Oil	U	U
Limonene-D	U	U
Linoleic Acid	G	F
Linseed Oil	E	E
Lubricating Oils, Petroleum	G	G
Magnesium Carbonate, 1% in w	E	E
Magnesium Chloride, 35% in w	E	E
MagnesiumHydroxide,10%indil.acids	E	E
Magnesium Nitrate, 50% in w	E	E
Magnesium Sulfate, 25% in w	E	E
Maleic Acid, 30% in w	G	F
Malic Acid, 36% in w	E	E
Manganese Salts	E	E
Mercuric Chloride, 6% in w	E	E
Mercuric Cyanide, 8% in w	E	E
Mercury	E	E
Mercury Salts	E	E
Methane Gas	E	F
Methyl Alcohol (Methanol)	G	G
Methyl Acetate	U	U
Methyl Bromide	U	U
Methyl Chloride	U	U
Methyl Ethyl Ketone	U	U
Methyl Isobutyl Ketone	U	U
Methylene Chloride	U	U

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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.

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