Gland packing catalogue

FIBRE • GRAPHITE • PTFE • HYBRID • SILICONE CORE

A practical range guide for pump, valve and reciprocating sealing applications, with material descriptions, supplier ratings and proposed SDW ordering codes.

29 product grades

Carbon, acrylic, ramie, graphite, PTFE, aramid and synthetic-fibre constructions.

Suggested part numbering

SDW-GP identifies gland packing. The family code and grade number identify the construction. Add a three-digit square-section size suffix: e.g. SDW-GP-PT04-013 for 13 mm.

Selection & traceability

Supplier references remain alongside each SDW code to support ordering. Confirm grade, section size, reel mass, service conditions and equipment details before supply.

Technical basis: supplied SealQuip catalogue. Codes are proposed SDW identifiers, not manufacturer equivalents certified by testing. The earlier graphite-treated SG01 slurry grade is separate from the ungraphited synthetic grade in this catalogue.

Carbon fibre

PRODUCT RANGE | SUGGESTED SDW CODES



SDW-GP-CF01

Supplier ref: SQ4560

Carbon fibre / graphite

Continuous carbon yarn, softened and impregnated with lubricant and graphite.

P bar (V / R / P): 200 / 100 / 25 **V m/s:** 2 / 20 / 20
T °C: <650 **pH:** 0-14



SDW-GP-CF02

Supplier ref: SQ4460

Carbonised fibre / PTFE & graphite

Carbonised PAN fibre with PTFE dispersion and graphite for self-lubrication.

P bar (V / R / P): 100 / 100 / 20 **V m/s:** 2 / 2 / 25
T °C: <300 **pH:** 0-14



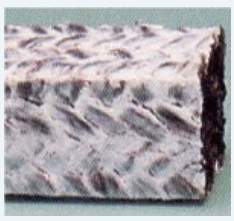
SDW-GP-CF03

Supplier ref: SQ4660

Carbonised fibre / Inconel

Low-sulphur expanded carbon yarn reinforced with Inconel wire for mechanical strength.

P bar (V / R / P): 25 / - / - **V m/s:** 2 / - / -
T °C: <650 **pH:** 0-14



SDW-GP-CF04

Supplier ref: SQ4360

Oxidised fibre / PTFE

Shrink-resistant oxidised PAN fibre with PTFE and silicone-oil-free lubricant.

P bar (V / R / P): 100 / 100 / 2 **V m/s:** 2 / 2 / 4
T °C: <300 **pH:** 0-14

Rating order: V = valve/static; R = reciprocating; P = rotary pump. “-” / “n/a” retain source omissions. Single or shared fields retain the source format. Values are supplier data, not simultaneous operating limits.

Acrylic & vegetable fibre

PRODUCT RANGE | SUGGESTED SDW CODES



SDW-GP-AV01

Supplier ref: SQ2654

Acrylic fibre / PTFE

High-strength acrylic fibre, PTFE-impregnated before and during braiding.

P bar (V / R / P): 100 / 80 / 20 **V m/s:** 20 / 20 / 20
T °C: <260 **pH:** 1-13



SDW-GP-AV02

Supplier ref: SQ2554

Acrylic fibre / graphite

High-strength acrylic fibre treated with graphite and special lubricant.

P bar (V / R / P): 150 / 100 / 25 **V m/s:** 20 / 20 / 20
T °C: <350 **pH:** 1-13



SDW-GP-AV03

Supplier ref: SQ4658

Ramie fibre / PTFE

Ramie fibre with light-coloured PTFE and inert lubricant; gentle on shafts and stems.

P bar (V / R / P): 30 / 20 / 20 **V m/s:** 10 / 10 / 10
T °C: <130 **pH:** 5-11

Rating order: V = valve/static; R = reciprocating; P = rotary pump. “-” / “n/a” retain source omissions. Single or shared fields retain the source format. Values are supplier data, not simultaneous operating limits.

Graphite | reinforced grades

PRODUCT RANGE | SUGGESTED SDW CODES



SDW-GP-GF01

Supplier ref: SQ5060

Flexible graphite

Low-sulphur expanded graphite yarn reinforced with cotton or glass fibre.

P bar (V / R / P): 250 / 250 / 20 **V m/s:** 2 / 2 / 20
T °C: -250 to <650 **pH:** 0-14



SDW-GP-GF02

Supplier ref: SQ5060INC

Graphite / Inconel wire

Expanded graphite with Inconel wire reinforcement for high-pressure valve duties.

P bar (V / R / P): 440 / n/a / n/a **V m/s:** 2 / n/a / n/a
T °C: -250; upper not stated **pH:** 0-14



SDW-GP-GF03

Supplier ref: SQ5660C

Graphite / carbon fibre

Expanded graphite reinforced with carbon fibre for improved mechanical strength.

P bar (V / R / P): 400 / 250 / 35 **V m/s:** 0-10 (shared field)
T °C: -250 to <650 **pH:** 0-14



SDW-GP-GF04

Supplier ref: SQ5360

Graphite core / nickel wire & carbon

Flexible graphite with carbon fibre corners and Inconel wire reinforcement.

P bar (V / R / P): 250 (single rating) **V m/s:** 2 (single rating)
T °C: -240 to <288 **pH:** 0-14

Rating order: V = valve/static; R = reciprocating; P = rotary pump. "-" / "n/a" retain source omissions. Single or shared fields retain the source format. Values are supplier data, not simultaneous operating limits.

Graphite | sealing grades

PRODUCT RANGE | SUGGESTED SDW CODES



SDW-GP-GF05

Supplier ref: SQ5860

Graphite / PTFE

Textile-reinforced flexible graphite with PTFE impregnation for low-friction contact.

P bar (V / R / P): 350 / 100 / 25 **V m/s:** 2 / 20 / 20
T °C: <280 **pH:** 0-14



SDW-GP-GF06

Supplier ref: SQ5560

Graphite core / high-temperature fibre

Inconel-reinforced fibre over a resilient graphite core, with graphite and corrosion inhibitor.

P bar (V / R / P): 250 (single rating) **V m/s:** 2 (single rating)
T °C: -240 to <288 **pH:** 0-14



SDW-GP-GF07

Supplier ref: SQ109

Die-formed graphite rings

Low-sulphur expanded graphite, without fillers or binders. Square, V and wedge profiles.

P bar (V / R / P): 800 / 50 / 10 **V m/s:** 2 / 5 / 10
T °C: -240 to <288 **pH:** 0-14

Rating order: V = valve/static; R = reciprocating; P = rotary pump. “-” / “n/a” retain source omissions. Single or shared fields retain the source format. Values are supplier data, not simultaneous operating limits.

PTFE | core grades

PRODUCT RANGE | SUGGESTED SDW CODES



SDW-GP-PT01

Supplier ref: SQ2562L

Pure PTFE / lubricant

Pure PTFE yarn with a break-in lubricant; supplier recommends acid applications.

P bar (V / R / P): 200 / 100 / 20 **V m/s:** 2 / 2 / 8
T °C: <280 **pH:** 0-14



SDW-GP-PT02

Supplier ref: SQ3062L

Graphite PTFE / silicone lubricant

100% graphite-incorporated PTFE yarn, re-impregnated with silicone lubricant.

P bar (V / R / P): 250 / 200 / 20 **V m/s:** 2 / 2 / 16
T °C: -240 to <288 **pH:** 0-14



SDW-GP-PT03

Supplier ref: SQ3062

Graphite PTFE

Graphite-incorporated expanded PTFE yarn; low friction and good thermal conductivity.

P bar (V / R / P): 200 / 100 / 25 **V m/s:** 2 / 2 / 25
T °C: -200 to <280 **pH:** 0-14

Rating order: V = valve/static; R = reciprocating; P = rotary pump. “-” / “n/a” retain source omissions. Single or shared fields retain the source format. Values are supplier data, not simultaneous operating limits.

PTFE | hybrid grades

PRODUCT RANGE | SUGGESTED SDW CODES



SDW-GP-PT04

Supplier ref: SQ3064A2

Graphite PTFE / aramid W braid

Graphite PTFE interwoven with Kevlar fibre in a W braid; slurry centrifugal-pump duties.

P bar (V / R / P): 200 / 150 / 25 **V m/s:** 15 / 15 / 15
T °C: -100 to ~280 **pH:** 2-12



SDW-GP-PT05

Supplier ref: SQ3064A1

Graphite PTFE / aramid corners

PTFE-impregnated Kevlar corners with graphite PTFE friction faces; plunger-pump duties.

P bar (V / R / P): 200 / 150 / 25 **V m/s:** 15 / 15 / 15
T °C: -100 to ~280 **pH:** 2-12



SDW-GP-PT06

Supplier ref: SQ3063A1

Graphite PTFE / Kynol corners

Graphite PTFE combined with Kynol corners for abrasive acidic applications.

P bar (V / R / P): 200 / 100 / 20 **V m/s:** 2 / 1.5 / 20
T °C: <260 **pH:** 1-13

Rating order: V = valve/static; R = reciprocating; P = rotary pump. “-” / “n/a” retain source omissions. Single or shared fields retain the source format. Values are supplier data, not simultaneous operating limits.

Aramid & synthetic | fibre grades

PRODUCT RANGE | SUGGESTED SDW CODES



SDW-GP-SF01

Supplier ref: SQ2664

Aramid / PTFE

Kevlar fibre with PTFE impregnation. Abrasion-resistant; supplier recommends shaft hardness of at least 60 HRC.

P bar (V / R / P): 200 / 100 / 30 **V m/s:** 2 / 1.5 / 25
T °C: -100 to ~280 **pH:** 2-13



SDW-GP-SF02

Supplier ref: SQ3564

Spun aramid / PTFE

Spun Kevlar with PTFE and lubricant; silicone-based treatment assists break-in.

P bar (V / R / P): 200 / 100 / 25 **V m/s:** 2 / 1.5 / 25
T °C: -100 to ~280 **pH:** 2-13



SDW-GP-SF03

Supplier ref: SQ3563

Synthetic fibre / PTFE

Spun synthetic yarn with PTFE and lubricant; dense construction and shaft-friendly contact.

P bar (V / R / P): 100 / 20 / 25 **V m/s:** 2 / 2 / 20
T °C: -100 to ~280 **pH:** 1-13

Rating order: V = valve/static; R = reciprocating; P = rotary pump. “-” / “n/a” retain source omissions. Single or shared fields retain the source format. Values are supplier data, not simultaneous operating limits.

Aramid & synthetic | hybrid grades

PRODUCT RANGE | SUGGESTED SDW CODES



SDW-GP-SF04

Supplier ref: SQ3663

High-performance synthetic / PTFE

Synthetic fibre with PTFE lubricant, combining softness, strength and abrasion resistance.

P bar (V / R / P): 200 / 100 / 20 **V m/s:** 2 / 1.5 / 20
T °C: <260 **pH:** 1-13



SDW-GP-SF05

Supplier ref: SQ-PRO

Three-yarn hybrid

Abrasion-resistant synthetic corners with a graphite PTFE centre for lubrication.

P bar (V / R / P): 100 / 20 / 25 **V m/s:** 2 / 2 / 20
T °C: -100 to ~280 **pH:** 1-13



SDW-GP-SF06

Supplier ref: SQ-PRO-AB

Two-yarn hybrid

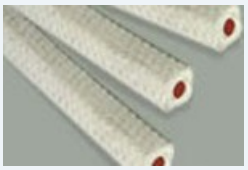
Interwoven synthetic yarns for abrasive and adhesive media, with gentle sleeve contact.

P bar (V / R / P): 100 / 20 / 25 **V m/s:** 2 / 2 / 20
T °C: -100 to ~280 **pH:** 1-13

Rating order: V = valve/static; R = reciprocating; P = rotary pump. “-” / “n/a” retain source omissions. Single or shared fields retain the source format. Values are supplier data, not simultaneous operating limits.

Silicone-core packing

PRODUCT RANGE | SUGGESTED SDW CODES



SDW-GP-SC01

Supplier ref: SQ4658S

Ramie / silicone core

Ramie packing with an elastic silicone rubber core to accommodate vibration.

P bar (V / R / P): 30 / 20 / 20 **V m/s:** 10 / 10 / 10
T °C: <130 **pH:** 5-11



SDW-GP-SC02

Supplier ref: SQ3564S

Spun aramid / five silicone cores

Spun Kevlar packing with five elastic silicone rubber cores to accommodate vibration.

P bar (V / R / P): 200 / 100 / 30 **V m/s:** 2 / 1.5 / 25
T °C: -100 to ~280 **pH:** 2-13



SDW-GP-SC03

Supplier ref: SQ3563S

Synthetic fibre / silicone core

Synthetic-fibre packing with an elastic silicone rubber core to accommodate vibration.

P bar (V / R / P): 100 / 20 / 25 **V m/s:** 2 / 2 / 20
T °C: -100 to ~280 **pH:** 1-13

Rating order: V = valve/static; R = reciprocating; P = rotary pump. “-” / “n/a” retain source omissions. Single or shared fields retain the source format. Values are supplier data, not simultaneous operating limits.

Ordering & reel sizes

SPECIFY GRADE, SIZE AND DUTY

3-6 mm	1 kg reel
8-10 mm	2 kg reel
12-14 mm	3 kg reel
16 mm upwards	5 kg reel
All sizes	10 kg reels listed by supplier

Ordering example: SDW-GP-PT04-013
Graphite PTFE / aramid W braid, 13 mm square section. Reel mass to be confirmed.

Provide these details

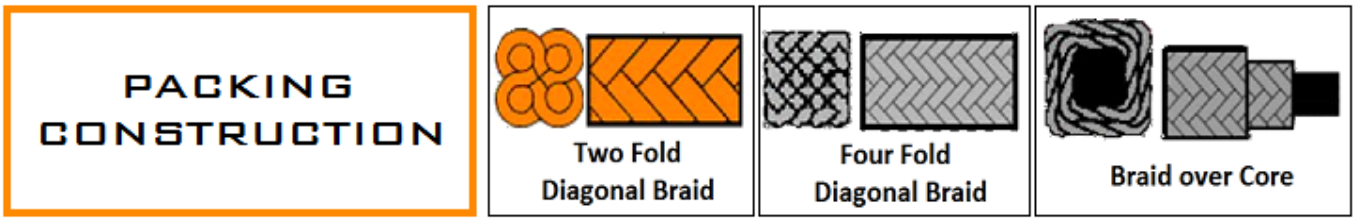
Pump or valve model; packing section size; stuffing-box dimensions; shaft or sleeve diameter; pressure; temperature; shaft speed; medium and pH; solids or abrasiveness; required reel mass.

Selection notes

The source selection chart and media index follow. The source contains differences between some selection-chart values and product tables; confirm the applicable rating with the supplier before final selection. Temperature claims, chemical compatibility and material approvals must be confirmed for the specific duty.

Packing construction

BRAID STRUCTURES | SOURCE REFERENCE



The source illustrates two-fold diagonal braid, four-fold diagonal braid and braid-over-core construction. Select the packing grade by its listed material and reinforcement rather than braid appearance alone.

Square packing: add a three-digit section-size suffix to the proposed SDW grade code.

Die-formed rings: specify inner diameter, outer diameter, axial height, profile and quantity; a square-size suffix alone does not define a formed ring.

Application selection guide

SOURCE REFERENCE | READ WITH PRODUCT DATA

GLAND PACKING SELECTIONS AND APPLICATIONS

			PUMP PACKINGS														VALVE PACKINGS			PLUNGER PUMPS	
			SQ4560	CARBGRAFTEX	SQ4658	RAMIETEX	SQ2562L	PTFLUBTEX	SQ3062	FOGTEX	SQ3062L	LENSTEX	SQ3564	KEVLUBTEX	SQ3563	NOMETEX	SQ3663	PHENTEX	SQ2664	KEVLATEX	SQ3064A2	KEVLENSTEX	SQ2654	ACRYLITEX	SQ-PRO	SQ-PRO-AB	SQ5060 - GRAFOILEX1	SQ5060IN	GRAFOILINCTEX	SQ2662L	PTFEVALVTEX	SQ3064A1	KEVLENCORTEX	SQ3063A1	KYNLENCORTEX
Centrifugal Pump	p bar		25	20	10	25	20	25	25	20	30	25	20	20	20	25																	
	vg m/s		20	10	8	25	15	25	20	20	25	15	20	20	25	20																	
Plunger Pump	p bar		100	200	100	100	200	100	20	100	100	150	80	80	50	250																	
	vg m/s		20	10	2	2	2	1.50	2	1.50	1.50	15	20	2	2	2																	
Valves	p bar		200	300	200	200	250	200	100	200	200	200	100	100	100	250	500	200	200	200													
	vg m/s		2	10	2	2	2	2	2	2	2	15	20	20	2	2	2	2	15	2													
Agitators, Mixers	p bar			20		25	25		25	25		25	25	25	25	50		25	50	50													
(Dry Running)	vg m/s			2		2	2		2	2		2	2	2	2	2		2	2	2													
Blowers	p bar															8																	
(Dry Running)	vg m/s															2																	
Temperature °C			0	-50	-200	-200	-200	-100	-100	-50	-100	-100	-100	-50	-50	-200	-200	-200	-100	-100													
			<300	+140	+280	+280	+280	+280	+280	+260	+280	+280	+260	+250	+250	+650	+650	+280	+280	+260													
Ph			0-14	5-11	0-14	0-14	0-14	2-13	1-13	1-13	2-13	2-12	1-13	1-13	1-13	0-14	0-14	0-14	2-12	1-13													
Grouped media titles (see media classification on next page)	a1	Abrasive Media, Lime, Sand, Solids	☆	☆		☆		★	★	★	★	★	★	★	★				★	★													
	b	Acid Gases			★	☆	☆									☆	☆	★															
	a2	Adhesive Media, Bitumens, Glues			☆	☆	☆	★	★	★	★	★	★	★	★			★	★	★													
	c	Concentrated Acids, Inorganic/Organic			★	☆	☆		☆	☆				☆	☆		☆	★															
	d	Concentrated Alkalis	★		★	☆	☆									☆	☆	★															
	e	Diluted Acids, Inorganic/Organic Salt Solutions			★	★	★	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	★	☆	☆													
	f	Diluted Alkalis, Salt Solutions	★	☆	☆	★	★	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	★	☆	☆													
	g	Heat Transfer Oils				★	★	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆															
	h1	Hydrogen			★	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	★	★	★															
	i	Neutral Vapours, Gases, Air, Nitrogen			★	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	★	★	★	☆	☆													
	j	Oils, Greases, Mineral Oils, Animal Fats	★	☆	☆	★	★	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	★	☆	☆													
	k	Organic Compounds, Amines, Nitrates	★		★	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	★	☆	☆													
	h2	Oxygen																★															
	m	Paints, Lacquers, Turbine Oils			☆		★		★	★						☆	☆	★															
	n1	Seawater		★	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	★	★	★													
	o	Solvents, Aliphatic & Aeromatic Hydrocarbons, Aldehydes, Alcohols, Ester-Ketones, Chlorinated Hydrocarbons, Coolants	★		★	☆	☆		☆	☆						☆	☆	★															
	p1	Steam < 280°C	★		☆		☆									★	★	☆															
	p2	Steam < 450°C	☆													★	★																
	p3	Steam < 550°C														☆	☆																
	q	Volatile Hydrocarbons, Solvent Vapours	★		★	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	★	★	★															
	r	Water (drinking), Food Stuffs, Pharmaceutical Products	★	★	☆	★	★		★	★				★	★	☆	☆	★															
	s	Water (hot), Boiler Feed Water, Condensate	☆			★	★	☆	☆	☆	☆	☆	☆	☆	☆	★	★	☆	☆	☆													
	n2	Water, Industrial Water, Sewerage	★	★	☆	★	★	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	★	★													

★ Highly recommended ☆ Partially recommended

Stars: filled = highly recommended; outline = partially recommended. Read as supplier guidance; confirm duty-specific limits. Product table ratings may differ from this chart.

Media classification index

SOURCE REFERENCE | READ WITH PRODUCT DATA

MEDIA CLASSIFICATION

NOTE: The sorting of media into major groups will help to ascertain the resistance of a particular packing for selection purposes. One must also consider the packings operating limits and read through the detailed description. The letters accompanying the media relate to the major media groups on the opposite page ***"Gland Packing Selections and Applications"***

A		Calgon ® (Na-hexameta-phosphate)	f	fish press water	n2	methyl chloride	q o	sea-water	d
Accumulator acid	c			fish slurry	n2	methyl ethyl ketone	q o	sewage water	f
acetaldehyde	o k	caprolactam	f k	fish-liver oil	j	methylated spriirt	o	silicon tetrachloride	e c
acetic acid	e c	carbolic acid (phenol)	e c	fixing bath, acidous	e	milk	r	silicone fats	j
acetic acid anhydride	c	carbon bisulphide	o	fluosilicic acid	c	milk of lime (calcium hydroxide)	f d	silicone oils	j
acetic ether (ethyl acetate)	q o	carbon dioxide (gas)	b	formaldehyde (formalin)	o k			skin creams	r j
acetone	q o	carbon dioxide (liquid)	b	formic acid	e c	mineral oil (crude oil)	j	soap solution	f
acrylonitril	k	carbon monoxide (gas)	b	Freon ®	q o	mineral oil	j	soda lye 30% all conc.	f d
adipinic acid	e c	caustic lime (calcium hydroxide)	d	Frigene ®	q o	Mobiltherm 600 ®	g	sodium arsenate	e f
alcohol (ethanol)	o			fruit juices	r	molasses	a2 r	sodium carbonate	f d
aluminium acetate	e f	caustic potash (potassium hydroxide)	f d	fruit pulp	r	monochloro benzene	q o	sodium chloride (common salt)	e f
aluminium chloride	e f			fully desalinated water	n2	**N**			
aluminium sulphate	e f	caustic soda (sodium hydroxide)	d	**G**		N-methyl pyrrolidone	o	sodium hydroxide (caustic soda)	f d
ammonia (gaseous)	f d			gallic acid	e c	naphtha	o		
ammonia (liquid)	f d	cellulose	a1	gas scrubbing water	n2 e	naphtenic acid	e c	sodium hypochlorite	e f
ammonia hydroxide	f d	chloric acid gas (hydrogen chloride)	b c	gelatine	r	natural gas	i	sodium nitrate	e f
ammonium chloride	e f			glacial acetate acid	c	nitric acid <10% 85°C	e c	sodium phosphate	e f
ammonium sulphate	e f	chlorine gas	b c	Gluaber's salt (sodium sulphate)	e f	nitric acid >10% 35°C	c	sodium silicate (water glass)	e f
aniline	k	chlorine water (chlorine saturated water)	c			nonyl phenol	o	sodium sulfate (Glauber's salt)	e f
anthracene oil	j			glycerol	o	**O**			
antifreeze solution	o	chloroacetic acid (mono, di)	e	glycolic acid ester	q o	oils: animal oils	j	sodium sulfide	e f
arsenic acid	e c	chloro sulphonic acid	c	glycolmonoacetate	q o	oils: vegetable oils	j	sodium sulfite	e f
asphalt	a2	chlorobenzene	o	**H**		oils: lubricating oils	j	sodium thiosulfate (antichlor)	e f
ASTM oil no. 1,2,3 & 4	j	chloroform	o	heat transfer oil	g	olive oil	r j	solvent naphtha	o
B		chloroparaffins	o a2	heating oil	j	oxalic acid	e c	steam	p1 p2 p3
barium chloride	e f	chromic acid	c	heavy water	n2	oxygen (gaseous liquid)	h2	stearic acid (fatty acid)	e c
barium hydroxide	f d	cider	r	heptane	q o	**P**		styrene (phenyl ethylene)	o
beer	r	citric acid	e c	hexane	q o	P3 lye ®	c f d	sulfite liquor	e f
beer mash, cooper	r	citric juices	r e	honey	r	paints	m	sulfuric acid: 70-90% 150°C	c
beer mash, pumps	r	coconut fat	j	hydraulic fluid (mineral oil base)	j	paper pulp: fine quality, hygienic	a1	sulfuric acid: 90-95% 70°C	c
benzene 15, benzene sulphonic acid	c	cod-liver oil	r					sulfuric acid fuming (oleum)	c
		coke oven gas	i	hydraulic fluid (phosphate ester base)	j	paper pulp: synthetic, photographic	a1 e f	sulfurous acid	e c
benzoic acid	e c	copper acetate solution	e f					**T**	
benzyl alcohol	o	copper sulfate solution	e f	hydrazine	o	packing paper	a1 e f	tallow	j
bitumen	a2	cresol	k	hydrochloric acid	e c	peanut oil	j	tannic acid	e c
blast furnace gas	b	crude oil	j	hydrocyanic acid	e c	pentane	q o	tar	a2
blood	r	cuprous chloride solution	e f	hydrofluoric acid	c	perchloric acid	e c	tartaric acid	e
boiler feed water	s	curds	r	hydrogen chloride (chloric acid gas)	b e c	perchloro ethylene (per)	q o	tetrachloromethane	q o
bonder lye	e c f d	cyclohexane	q o			petrol	o	tetrahydrofurane	o
bone fat (dissolved in tri or gasoline)	o	cyclohexanol	o	hydrogen peroxide	c	petroleum	o	thick juice (60% sugar solution)	r
		cyclohexanone	o	**I**		petroleum ether	q o	thin juice (sugar soution)	r a2
borax solution	f	**D**		iso-octane	q o	phenol (carbolic acid)	e c	toluene	o
boric acid	e	dibutylphtalate (DBP)	k	isobutyl alcohol	q o	phosphoric acid	e c	trichloroethane	o
brackish water	f	diesel fuel	j	isobutyl ketone	q o	phthalic acid (heating)	e c	trichloroethylene	o
brake fluid	j	diethanolamine (DEA)	f k	isopropyl acetate	q o	phthalic acid anhydride	c	triethanolamine	f k
brandy	r o	diphenyl heat transfer fluid	g	isopropyl alcohol	q o	pine oil	j	trisodium phosphate	e f
bromine, aqueous	e c	diphenyloxide	o k	isopropyl ether	q o	potassium carbonate	f d	turbine oils	m
bunker oil and fuel	j	distilled water	r	**J**		potassium chloride	e f	turpentine	o
butadiene	k a2	dodecylbenzene	o	jet fuel JP4, JP5 (kerosene)	o	potassium cyanide	e f	**U**	
butane	q o	Dowtherm-A ®	g	**L**		potassium hypochlorite	e f	urea	f k
butanediol	o	dye liquor	a2	lacquers	m	potassium nitrate	e f	**V**	
butanol (butylic alcohol)	o	**E**		lead acetate (lead sugar)	f	potassium silicate	e f	vegetable paste	r
butanone (methyl ethyl ketone)	o	edible oil	r j	lead sludge	a1	potassium sulfate	e f	vinegar (edible)	e
		edible vinegar	e	lemonades	r	propane	q o	vinyl chloride	q
butylene	q o	ethanol (ethylic alcohol)	o	lignite tar oil	a2 j	propanol (propylic alcohol)	o	**W**	
butylic acetate	o	ether (ethylic ether)	q o	liqueurs	r	propanone	q o	water glass (sodium silicate)	e f
butylic alcohol (butanol)	o	ethyl acetate (acethic ether)	o	**M**		propyl acetate (acetic acid ester)	q o	water: drinking	r
butyric acid	r e c			magnesium bisulfite	e f			water: distilled	f
C		ethylene	q	magnesium hydroxide	f d	pyridine	o k	water: not treated, dirty	f
calcium acetate	e f	ethylene chloride	b o	maleic acid anhydride10 / manganese nitrate	e f	pyrrolidone	f d	water: boiler, feed	s
calcium bisulfite liquor (sulfite liquor)	e f	ethylene gycol	k			**Q**		water: reactor, radioactive	f
		ethylene oxide	q	manure, liquid	f	quenching oil	j	water: heavy	f
calcium chloride	e f	**F**		marmalade	r	**R**		water: brackish, sea	d
calcium hydroxide (milk of lime)	f d	faeces	n2	mash: hop mash	r	rapeseed oil	j	whale oil, train oil	j
		fats and fatty alcohols	j o	masut (heavy heating oil)	j	raw juices (sugar solution)	r	wine	r
calcium hypochlorite (bleaching lye)	e f	fatty acids	e c	meat juices and broths	r	**S**		wood pulp	f a1
		fatty alcohol sulphonate	f	mercaptane	k	salicylic acid	e c	**XYZ**	
Calgonit R ® (caustic phosphate silicate)	f	ferric (III) chloride solution	e c	mercury nitrate	e f	salt, common (sodium chloride)	e f	xylene	q o
		ferric phosphate solution	e f	methane	q			yeast pulp	r
Calgonit S ® (urea nitrate)	f d	ferricyanide	e f	methanol (methylic alcohol)	o	seat water	d	zinc chloride	e f