

Remarks / Preconditions

The properties indicated are not guaranteed.

Because our products are used in so many different applications and because of the individual factors involved, our operating instructions, details and information on the suitability and use of the products are only general guidelines and do not absolve the ordering party from carrying out the checks and tests themselves.

When we provide technical support on the application the ordering party bears the risk of the machinery functioning properly.

Chemicals

▲! Combinations of chemicals may cause unpredictable damage.

Radiation

▲! High-energy radiation (α , β , γ) x-rays and electron beams result in a reduced lifetime.

Legend

- = Resistant under climatic conditions of 23°C/73°F and 50% relative humidity
- § = Limited resistance. Depending on operating conditions (exposure time, thermal / mechanical stress), discoloration, swelling, embrittlement or abrasion is possible.
- = Not resistant.

Basic Cleaning Recommendations

- ▲! Wash down material under tension.
- ▲! Wash with a maximum water temperature of 40°C / 104°F, if possible use clear water.
- ▲! Avoid use of high-pressure water, if not possible reduce pressure as much as possible.

Chemicals

	PVC	PVC Food Grade	Hard PVC	Urethane Impregnated	Urethane	Polyolefin	Silicone	Polyester
Acetic acid (glacial acetic acid)	\$	\$	\$	O	O	\$	●	●
Acetic acid 10%	●	●	\$	\$	\$	●	●	\$
Acetic anhydride	O	O	O	\$	\$	●	●	●
Acetone	O	O	O	O	O	●	●	\$
Aluminum salts	●	●	●	●	●	●	●	●
Alum	●	●	●	●	●	●	●	●
Ammonia, aqueous	●	●	●	\$	\$	●	●	\$
Ammonia, gaseous	●	●	●	●	●	●	\$	●
Ammonium acetate	●	●	●	●	●	●	●	●
Ammonium carbonate	●	●	●	●	●	●	●	●
Ammonium chloride	●	●	●	●	●	●	●	●
Ammonium nitrate	●	●	●	●	●	●	●	●
Ammonium phosphate	●	●	●	●	●	●	●	●
Ammonium sulphate	●	●	●	●	●	●	●	●
Amyl alcohol	O	O	O	O	●	\$	\$	●
Aniline	\$	\$	O	O	\$	\$	\$	O
Barium salts	●	●	●	●	●	●	●	●
Bensaldehyde	O	O	O	O	O	\$	O	O
Benzine (see also Motor fuels)	\$	●	O	●	●	\$	\$	●
Benzoic acid	●	●	●	●	●	●	●	●
Benzol	O	O	O	O	\$	\$	O	\$
Boric acid	●	●	●	●	●	●	●	●
Boric acid, solution	●	●	●	●	●	●	●	●
Bromine	O	O	O	O	O	O	O	O
Bromine water	\$	\$	O	O	O	\$	●	O
Butane, gaseous	●	●	O	●	●	\$	●	●
Butane, liquid	●	●	O	●	●	\$	●	●
Butyl acetate	O	O	O	O	O	\$	O	\$
n-Butyl alcohol	\$	\$	\$	O	O	●	●	●
Calcium chloride	●	●	●	●	●	●	●	●
Calcium nitrate	●	●	●	●	●	●	●	●
Calcium sulphate	●	●	●	●	●	●	●	●
Carbon disulphide	O	O	O	O	O	O	\$	O
Carbon tetrachloride	O	O	O	\$	\$	O	O	O
Chlorine, liquid	O	O	O	O	O	O	O	O
Chlorine, gaseous, dry	O	O	O	O	O	O	O	O
Chlorine, gaseous, wet	O	O	O	O	O	O	O	O
Chlorine water	●	●	\$	O	O	●	\$	O
Chlorobenzene	O	O	O	O	O	O	O	O
Chloroform	O	O	O	O	O	O	O	O
Chorosulphonic acid	O	O	O	O	O	O	O	O
Chromic acid	O	O	O	O	O	O	O	O
Chromium salts	●	●	●	●	●	●	●	●
Chromium trioxide	●	●	●	●	●	●	●	●
Citric acid	●	●	●	O	O	●	●	●
Copper salts	●	●	●	●	●	●	●	●
Cresols	\$	\$	\$	\$	\$	\$	\$	O
Cresols, aqueous	\$	\$	\$	O	\$	\$	\$	\$
Cyclohexane	O	O	O	O	O	\$	O	●
Cyclohexanol	O	O	O	O	O	\$	O	O
Cyclohexanone	O	O	O	O	O	\$	O	O
Decahydronaphthalene	O	O	O	O	O	O	O	O
Dibutyl phthalate	O	O	O	\$	\$	\$	●	O

Chemicals

	PVC	PVC Food Grade	Hard PVC	Urethane Impregnated	Urethane	Polyolefin	Silicone	Polyester
Diethyl ether	○	○	○	○	○	○	○	○
Dimethyl formamide	○	○	○	○	○	○	§	○
1.4 Dioxan	○	○	○	○	○	○	§	○
Ether	○	○	○	○	○	○	○	○
Ethyl acetate	○	○	○	○	○	●	○	§
Ethyl alcohol, non-denatured 100%	§	§	§	○	●	●	§	●
Ethyl alcohol, non-denatured 96%	§	§	§	○	●	●	§	●
Ethyl alcohol, non-denatured 50%	§	§	§	§	●	●	§	●
Ethyl alcohol, non-denatured 10%	§	§	§	§	●	●	●	●
Ethyl benzene	○	○	○	○	○	§	○	○
Ethyl chloride	○	○	○	○	○	○	○	○
Ethylene chloride	○	○	○	○	○	○	○	○
2-Ethyl hexanol	§	§	§	§	●	§	●	●
Formaldehyde	§	§	○	●	●	§	●	§
Formic acid, dilute	●	●	●	○	○	●	●	§
Glycerine	●	●	●	●	●	●	●	●
Glycerine, aqueous	●	●	●	●	●	●	●	●
Glycol	§	●	§	●	●	●	●	●
Glycol, aqueous	●	●	●	●	●	●	●	●
Heptane	§	●	○	●	●	§	§	●
Hexane	§	●	○	●	●	§	§	●
Hydrochloric acid, conc.	●	●	§	§	§	§	○	§
Hydrochloric acid 10%	●	●	§	§	§	●	●	●
Hydrofluoric acid 40%	○	○	○	○	○	○	○	○
Hydrogen chloride, gaseous, dilute	●	●	§	§	§	●	§	§
Hydrogen chloride, gaseous, conc.	§	§	○	○	§	§	§	○
Hydrogen peroxide 10%	●	●	§	§	§	●	●	§
Hydrogen sulphide	§	§	§	§	§	●	§	§
Iron salts (sulphate)	●	●	●	●	●	●	●	●
Isooctane	§	●	○	●	●	§	§	●
Isopropyl alcohol	§	§	§	○	●	●	●	●
Lactic acid	§	●	○	§	●	●	●	●
Magnesium salts	●	●	●	●	●	●	●	●
Mercury	●	●	●	●	●	●	●	●
Mercury salts	●	●	●	●	●	●	●	●
Methyl alcohol, aqueous 50%	§	●	●	○	§	●	●	●
Methyl alcohol (methanol)	§	●	§	○	●	●	●	●
Methyl ethyl ketone	○	○	○	○	○	§	●	§
Methylene chloride	○	○	○	○	○	○	○	○
Naphthalene	○	○	○	§	§	§	○	§
Nickel salts	●	●	●	●	●	●	●	●
Nitric acid	§	§	§	§	○	§	○	○
Nitrobenzene	○	○	○	○	○	○	●	§
Octane (also see isooctane)	§	●	○	●	●	§	○	●
Oleic acid	§	●	○	●	●	●	○	●
Oxalic acid	●	●	●	●	●	●	●	●
Ozone	§	§	§	●	●	§	§	●

Chemicals

	PVC	PVC Food Grade	Hard PVC	Urethane Impregnated	Urethane	Polyolefin	Silicone	Polyester
Perchloroethylene	○	○	○	○	○	○	○	○
Phenol	\$	\$	○	\$	\$	\$	●	○
Phenol, aqueous	\$	\$	○	\$	○	\$	●	○
Phosphoric acid 85%	●	●	●	○	○	●	●	\$
Phosphoric acid 50%	●	●	●	●	●	●	●	●
Phosphoric acid 10%	●	●	●	●	●	●	●	●
Phosphorus pentoxide	●	●	●	●	●	●	●	●
Potash lye 50%	●	●	○	○	○	\$	○	\$
Potash lye 25%	●	●	○	○	○	●	○	●
Potash lye 10%	●	●	○	○	○	●	\$	●
Potassium carbonate (potash)	●	●	●	●	●	●	●	●
Potassium chlorate	●	●	●	●	●	●	●	●
Potassium chloride	●	●	●	●	●	●	●	●
Potassium dichromate	●	●	●	●	●	●	●	●
Potassium iodide	●	●	●	●	●	●	●	●
Potassium nitrate	●	●	●	●	●	●	●	●
Potassium permanganate	●	●	●	●	●	●	●	●
Potassium persulphate	●	●	●	●	●	●	●	●
Potassium sulphate	●	●	●	●	●	●	●	●
Propane, gaseous	●	●	\$	●	●	●	●	●
Propane, liquid	●	●	\$	●	●	●	●	●
Pyridine	○	○	○	○	○	\$	\$	○
Separator								
Silver salts	●	●	●	●	●	●	●	●
Soda lye 50% (see potash lye)	●	●	○	○	○	\$	○	○
Soda lye 25%	●	●	○	○	○	\$	○	\$
Soda lye 10%	●	●	○	\$	○	●	\$	●
Sodium bisulphite	●	●	●	●	●	●	●	●
Sodium carbonate (natron)	●	●	●	●	●	●	●	●
Sodium carbonate (soda)	●	●	●	●	●	●	●	●
Sodium chlorate	●	●	●	●	●	●	●	●
Sodium chloride (common salt)	●	●	●	●	●	●	●	●
Sodium hydroxide (caustic soda)	●	●	○	○	\$	○	○	●
Sodium hypochlorite	●	●	●	●	●	●	●	\$
Sodium nitrate	●	●	●	●	●	●	●	●
Sodium nitrite	●	●	●	●	●	●	●	●
Sodium perborate	●	●	●	●	●	●	●	●
Sodium phosphate	●	●	●	●	●	●	●	●
Sodium sulphate (glauber salt)	●	●	●	●	●	●	●	●
Sodium sulphide	●	●	●	●	●	●	●	●
Sodium sulphite	●	●	●	●	●	●	●	●
Sodium thiousulphate (fixing salt)	●	●	●	●	●	●	●	●
Stearic acid	●	●	●	●	●	●	●	●
Succinic acid	●	●	●	●	●	●	●	●
Sulphur	●	●	●	●	●	●	●	●
Sulphur dioxide	\$	●	○	\$	\$	\$	\$	\$
Sulphuric acid 96%	○	○	○	○	○	○	○	○
Sulphuric acid 50%	\$	\$	○	○	○	\$	○	\$
Sulphuric acid 25%	\$	\$	\$	\$	○	\$	\$	●
Sulphuric acid 10%	\$	\$	\$	\$	○	●	●	●
Separator								
Tartaric acids	●	●	●	●	●	●	●	●
Tetrachloroethane	○	○	○	○	○	○	○	○
Tetrachloroethane (perchloroethylene)	○	○	○	○	○	○	○	○
Tetrahydrofuran	○	○	○	○	○	○	○	○
Tetrahydronaphthalene	○	○	○	○	○	○	○	○

Chemicals	UNIVERSAL BELTING RESOURCE "Working Through Distribution"							
	PVC	PVC Food Grade	Hard PVC	Urethane Impregnated	Urethane	Polyolefin	Silicone	Polyester
Thiophene	○	○	○	○	○	○	○	○
Tin II chlorides	●	●	●	●	●	●	●	●
Toluene	○	○	○	○	○	○	○	○
Trichloroethylene	○	○	○	○	○	○	○	○
Urea, aqueous	●	●	●	●	●	●	●	●
Water	●	●	●	●	●	●	●	●
Xylene	○	○	○	○	○	○	○	○
Zinc salts	●	●	●	●	●	●	●	●



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"Working Through Distribution"

Chemical products

	PVC	PVC Food Grade	Hard PVC	Urethane Impregnated	Urethane	Polyolefin	Silicone	Polyester
Alum	●	●	●	●	●	●	●	●
Anti-freeze	§	●	○	●	●	●	●	●
Aqua regia	○	○	○	○	○	○	○	○
Asphalt	§	●	○	●	●	§	§	●
Battery acid	○	○	○	○	○	○	○	○
Benzine	§	●	○	●	●	§	§	●
Bleaching lye (12.5%)	●	●	●	●	●	●	●	●
Bone oil	§	●	○	●	●	●	○	●
Borax	●	●	●	●	●	§	●	●
Brake fluid *Bosch	§	§	○	○	●	§	●	●
Brake fluid *Skydrol	○	○	○	○	○	○	§	○
Chloride of lime (aqueous suspension)	●	●	●	●	●	●	●	●
Chlorine (active)	○	○	○	○	○	○	○	○
Chrome baths* (technical)	§	§	○	§	●	§	§	●
Chromosulphuric acid	○	○	○	○	○	○	○	○
Cresol solution	§	§	§	§	§	§	○	○
Diesel oil	●	●	○	●	●	§	§	●
Fertilizer salts	●	●	●	●	●	●	●	●
Fixing salt	●	●	○	●	●	●	●	●
Floor wax	§	●	○	●	●	§	§	●
Formalin	§	§	○	●	●	§	§	●
Fuel oils	●	●	○	●	●	§	§	●
Furniture polish	§	●	○	●	●	●	§	●
Gypsum	●	●	●	●	●	●	●	●
Ink	●	●	●	●	●	●	●	●
Linseed oil	§	●	○	●	●	●	●	●
Litex (styrene)	○	○	○	○	○	○	○	○
Mineral oils (non-aromatic)	●	●	○	●	●	●	●	●
Moth balls	○	○	○	○	§	§	§	§
Motor fuel:								
Diesel oil*	●	●	○	●	●	§	§	●
Petrol (gasoline) DIN51635	§	●	○	●	●	§	§	●
Petrol, regular	§	●	○	●	●	§	§	●
Petrol, super	○	○	○	§	§	§	§	●
Motor oils*	●	●	○	●	●	§	●	●
Oil no. 3 (ASTM)	§	●	○	●	●	●	●	●
Oleum	○	○	○	○	○	○	○	○
Paraffin	●	●	○	●	●	●	●	●
Paraffin oil	●	●	○	●	●	●	●	●
Petroleum	§	●	○	●	●	●	§	●
Petroleum ether	§	●	○	●	●	§	○	●
Photographic developer	●	●	●	●	●	●	●	●



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Chemical products

	PVC	PVC Food Grade	Hard PVC	Urethane Impregnated	Urethane	Polyolefin	Silicone	Polyester
Plasticizers:								
Dibutyl phthalate	○	○	○	●	●	●	●	●
Dibutyl sebacate	○	○	○	●	●	●	●	●
Dihexyl phthalate	○	○	○	●	●	●	●	●
Diisononyl phthalate	○	○	○	●	●	●	●	●
Dinonyl adipate	○	○	○	●	●	●	●	●
Diocetyl adipate	○	○	○	●	●	●	●	●
Diocetyl phthalate	○	○	○	●	●	●	●	●
Tricresyl phosphate	○	○	○	●	●	●	●	●
Triocetyl phosphate	○	○	○	●	●	●	●	●
Seawater								
Seawater	●	●	●	●	●	●	●	●
Shoe polish								
Shoe polish	§	●	○	●	●	●	§	●
Silicone oils								
Silicone oils	●	●	○	●	●	●	●	●
Soda								
Soda	●	●	●	●	●	●	●	●
Soft soap								
Soft soap	●	●	○	●	§	●	●	●
Tar								
Tar	●	●	○	●	●	§	§	●
Transformer oil								
Transformer oil	§	●	○	●	●	●	§	●
Turpentine oil								
Turpentine oil	●	●	○	●	●	§	§	●
Two-stroke motor oil								
Two-stroke motor oil	§	●	○	●	●	●	●	●
Typewriter/sewing machine oil								
Typewriter/sewing machine oil	●	●	○	●	●	●	●	●
Washing detergent								
Washing detergent	●	●	○	§	●	●	§	●
Washing detergent, lye								
Washing detergent, lye	●	●	○	§	○	●	§	§
Washing detergent, synthetic								
Washing detergent, synthetic	●	●	○	§	●	●	§	●
Washing-up detergent								
Washing-up detergent	●	●	○	○	○	●	●	§
Water glass								
Water glass	●	●	●	●	●	●	●	●
White spirit								
White spirit	§	●	○	●	●	§	§	●



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Pharmaceuticals, cosmetics

	PVC	PVC Food Grade	Hard PVC	Urethane Impregnated	Urethane	Polyolefin	Silicone	Polyester
Asprin	●	●	●	●	●	●	●	●
Castor oil	\$	●	○	●	●	●	●	●
Hair Shampoo	●	●	●	●	●	●	●	●
Lanolin	\$	●	○	●	●	●	●	●
Lysol	\$	●	○	●	●	●	●	●
Mercury ointment	\$	●	○	●	●	●	●	●
Nail polish	\$	\$	○	●	●	●	\$	●
Nail polish remover	○	○	○	○	○	●	\$	\$
Perfume	\$	\$	\$	\$	●	●	●	●
Pine needle oil	\$	●	○	●	●	●	●	●
Quinine	○	○	○	○	○	○	○	○
Sagrotan (disinfectant)	\$	●	○	●	●	●	●	●
Soap (bars)	●	●	\$	●	●	●	●	●
Soap (solution)	●	●	\$	\$	\$	●	●	●
Spruce needle oil	\$	●	○	●	●	●	●	●
Sulphur ointment	\$	●	○	●	●	●	●	●
Tincture of iodine	●	●	●	●	●	●	●	●
Toothpaste	●	●	○	●	●	●	●	●
Vaseline	●	●	○	●	●	●	●	●



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Food products

	PVC	PVC Food Grade	Hard PVC	Urethane Impregnated	Urethane	Polyolefin	Silicone	Polyester
Apple juice	●	●	●	●	●	●	●	●
Apple sauce	●	●	●	●	●	●	●	●
Beef tallow								
Beef tallow	\$	●	○	●	●	●	●	●
Beer	●	●	●	●	●	●	●	●
Blancmange	●	●	●	●	●	●	●	●
Brandy	\$	\$	\$	\$	●	●	\$	●
Bread	●	●	●	●	●	●	●	●
Butter	●	●	○	●	●	●	●	●
Buttermilk	●	●	●	●	●	●	●	●
Cabbage, pickled								
Cabbage, pickled	●	●	\$	●	●	●	●	●
Cake	●	●	○	●	●	●	●	●
Cheese	●	●	○	●	●	●	●	●
Cinnamon, powder	●	●	●	●	●	●	●	●
Cinnamon, sticks	●	●	●	●	●	●	●	●
Citric acid	●	●	●	●	●	●	●	●
Cloves	●	●	○	●	●	●	●	●
Cocoa, ready to drink	●	●	○	●	●	●	●	●
Cocoa powder	\$	●	○	●	●	●	●	●
Coconut oil	\$	●	○	●	●	●	●	●
Cod liver oil	\$	●	○	●	●	●	●	●
Coffee (beans or ground)	●	●	○	●	●	●	●	●
Coffee (ready to drink)	●	●	\$	●	●	●	●	●
Cola concentrates	●	●	○	●	●	●	●	●
Cooking oil, animal	\$	●	○	●	●	●	●	●
Cooking oil, vegetable	\$	●	○	●	●	●	●	●
Corn (maize)	●	●	○	●	●	●	●	●
Corn oil	\$	●	○	●	●	●	●	●
Cream, whipped cream	\$	●	○	●	●	●	●	●
Curd cheese	●	●	○	●	●	●	●	●
Dairy products								
Dairy products	●	●	●	●	●	●	●	●
Dextrose	●	●	●	●	●	●	●	●
Eggs (raw, boiled)								
Eggs (raw, boiled)	●	●	●	●	●	●	●	●
Fish								
Fish	\$	●	○	●	●	●	●	●
Fish (pickled in various sauces)	●	●	○	\$	\$	●	●	\$
Flour	●	●	○	●	●	●	●	●
Fruit juices	●	●	●	●	●	●	●	●
Fruit salad (fat-free)	●	●	●	●	●	●	●	●
Gelatine								
Gelatine	●	●	●	●	●	●	●	●
Gin	●	●	\$	●	●	●	●	●
Grain	●	●	○	●	●	●	●	●
Grapefruit juice	●	●	●	●	●	●	●	●
Grapes	●	●	●	●	●	●	●	●
Gravy	●	●	●	●	●	●	●	●



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"Working Through Distribution"

Food products

	PVC	PVC Food Grade	Hard PVC	Urethane Impregnated	Urethane	Polyolefin	Silicone	Polyester
Honey	●	●	●	●	●	●	●	●
Horseradish, ready to serve	●	●	●	●	●	●	●	●
Jam	●	●	●	●	●	●	●	●
Jelly	●	●	●	●	●	●	●	●
Lemon flavoring	●	●	§	●	●	●	●	●
Lemon juice	●	●	●	●	●	●	●	●
Lemon peel	§	●	○	●	●	●	●	●
Linseed oil	§	●	○	●	●	●	●	●
Liqueurs	●	●	§	●	●	●	●	●
Margarine	§	●	○	●	●	●	●	●
Mayonnaise	§	●	○	●	●	●	●	●
Meat	§	●	○	●	●	●	●	●
Milk	●	●	○	●	●	●	●	●
Molasses	●	●	●	●	●	●	●	●
Mustard	●	●	○	●	●	●	●	●
Olive oil	§	●	○	●	●	●	●	●
Orange juice	●	●	●	●	●	●	●	●
Palm oil	§	●	○	●	●	●	●	●
Paprika	●	●	●	●	●	●	●	●
Peanut oil	○	●	○	●	●	●	●	●
Pepper	●	●	●	●	●	●	●	●
Pineapple juice	●	●	●	●	●	●	●	●
Pork dripping	§	●	○	●	●	●	●	●
Potato purée	●	●	○	●	●	●	●	●
Potato salad	§	●	○	●	●	●	●	●
Rice	●	●	○	●	●	●	●	●
Rum	§	●	§	●	●	●	§	●
Salt, dry	●	●	●	●	●	●	●	●
Salt herring	§	●	○	●	●	●	●	●
Saltwater	●	●	●	●	●	●	●	●
Sausage	§	●	○	●	●	●	§	●
Semolina	●	●	○	●	●	●	●	●
Soda water	●	●	●	●	●	●	●	●
Soft drinks	●	●	●	●	●	●	●	●
Soybean oil	§	●	○	●	●	●	●	●
Starch solution, starch (aqueous)	●	●	●	●	●	●	●	●
Starch syrup	●	●	●	●	●	●	●	●
Sugar, dry	●	●	●	●	●	●	●	●
Sugar, solution	●	●	●	●	●	●	●	●
Sugar beet syrup	●	●	●	●	●	●	●	●
Sunflower oil	§	●	○	●	●	●	●	●



UNIVERSAL BELTING RESOURCE
 "Working Through Distribution"

Food products	UNIVERSAL BELTING RESOURCE							
	PVC	PVC Food Grade	Hard PVC	Urethane Impregnated	Urethane	Polyolefin	Silicone	Polyester
Tartaric acid	●	●	●	●	●	●	●	●
Tea, brewed	●	●	●	●	●	●	●	●
Tea leaves	●	●	○	●	●	●	●	●
Tomato juice	●	●	●	●	●	●	●	●
Tomato ketchup	●	●	○	●	●	●	●	●
Tomatoes	●	●	●	●	●	●	●	●
Separator								
Vanilla	●	●	●	●	●	●	●	●
Vegetables, cooked	●	●	○	●	●	●	●	●
Vegetables, raw	●	●	○	●	●	●	●	●
Vinegar 5%	●	●	●	§	§	●	●	●
Vinegar essence	§	§	§	§	○	§	●	●
Separator								
Water	●	●	●	●	●	●	●	●
Whisky	§	§	§	§	●	●	§	●
Wine, mulled wine	●	●	●	●	●	●	●	●
Separator								
Yeast	●	●	●	●	●	●	●	●