

Table of chemical resistance of the fans SMART-CHEM, BOX-CHEM and WPA-CHEM

Medium	Concentration	40°C	60°C
Acetone	10%	--	--
Pure amyl alcohol (pentanol)		++	O
Ethyl alcohol (ethanol)	10%	++	+
Non-fermentative isopropyl alcohol	70-99%	+	
Methyl alcohol (methanol)	96%	++	-
Methyl alcohol, aqueous solution	100%	++	+
Ammonia, aqueous solution	50%	++	+
Potassium nitrate, aqueous solution	saturated	++	++
Sodium nitrate, aqueous solution	saturated	++	++
Calcium nitrate, aqueous solution	saturated	++	++
Benzene	100%	--	--
Painter's naphtha, mineral spirit		++	+
Liquid butane	100%	++	
n-butanol (butyl alcohol)	100%	++	O
Liquid chlorine	100%	--	
Dry gaseous chlorine	100%	--	
Potassium chlorate	7,3%	++	O
Sodium chlorate, aqueous solution	25%	++	++
Ammonium chloride, aqueous solution	all	++	++
Zinc chloride		++	++
Ethylene chloride	100%	--	--
Methylene chloride	100%	--	--
Potassium chloride, aqueous solution	saturated	++	++
Sodium chloride (domestic salt), aqueous solution	saturated	++	++
Sodium chloride, aqueous solution	5%	++	++
Chlorobenzene	100%	--	--
Cadmium cyanide		+	+
Copper cyanide		+	+
Potassium cyanide		+	+
Mercuric cyanide		+	+
Sodium cyanide		+	+
Silver cyanide		+	+
Cyclohexane	100%	++	O
Cyclohexanol	100%	++	-
Cyclohexanon	100%	--	--
Carbon tetrachloride	100%	--	--
1,4-dioxane	100%	--	--
Carbon disulphide	100%	--	--
Sulphur dioxide	saturated	++	++
Ethyl ether	100%	--	
Petroleum ether	100%	++	+
2-ethylhexanol	100%	++	+
Phenol, aqueous solution	approx. 9%	O	--
Formaldehyde, aqueous solution	40%	++	
Formalin	10%	++	
Ammonium phosphate	all	++	++
Glycerine	100%	++	++
Glycerine, aqueous solution	high	+	+
Glycol	100%	++	++
Heptane	100%	++	O
Isopropanol	100%	++	
Chromium bath, technical		++	O

Medium	Concentration	40°C	60°C
Methyl-ethyl ketone	100%	--	--
Cresols	100%	--	--
Accumulator acid (H ₂ SO ₄)		++	++
Nitric acid	10%	++	++
	50%	++	+
Boric acid	100%	++	++
Hydrocyanic acid		+	
Citric acid	saturated	++	++
Hydrofluoric acid	8-50%	+	--
Phosphoric acid	85%	++	++
	50%	++	++
Lactic acid, aqueous solution	90%	++	++
	10%	++	++
Formic acid	98%	+	
	50%	++	O
	10%	++	+
Acetic acid, glacial	100%	O	--
Acetic acid, aqueous solution	50%	++	-
Oleic acid	100%	++	O
Sulphuric acid	3-50%	+	+
Sulphuric acid	96%	O	--
	50%	++	++
	10%	++	++
Hydrochloric acid	35%	++	+
Stearic acid	100%	++	+
Oxalic acid	saturated	++	++
Acidic sodium carbonate, aqueous solution	saturated	++	++
Acidic sodium sulphate, aqueous solution	saturated	++	++
Nail lacquer		O	
Lysol		-	--
White liquor (12,5% of active chlorine)		++	O
Potash lye	50%	++	++
	10%	++	++
Potassium permanganate, aqueous solution	saturated	++	+
Hydrogen peroxide	30%	++	
Naphthalene	100%	O	--
Nitrobenzene	25%	++	++
	100%	--	--
Table vinegar		++	++
Butyl acetate	100%	--	--
Ethyl acetate	100%	--	--
2-butoxyethyl acetate		+	
Edible vegetable oil		++	++
Edible animal oil		++	++
Coconut oil		++	++
Linseed oil		++	++
Olive oil		++	++
Paraffin oil	100%	++	++
Soybean oil		++	++
Turpentine oil		++	O
Transformer oil		++	

Medium	Concentration	40°C	60°C
Mineral oils (without aromatic hydrocarbons)		++	+
Furnace oils		++	O
Silicone oils		++	
Engine oils, car oils		++	+
Pine oil	100%	++	
Vapours of ethoxyl amines		--	--
Vapours of chlorides		+	
Vapours of ferrous chloride FeCl ₂	20%	+	
Vapours of acetic acid		++	
Vapours of hydrochloric acid	30%	+	
Vapours of oxy-oxygen fatty alcohols		+	
Vapours of orange oils		--	--
Vapours of poly-glycols		+	
Vapours of ammonia soda (soda ash) and of caustic soda		++	
Vapours of tio-urea		+	
Vapours of aliphatic hydrocarbons		+	
Gaseous ozone		++	
Automotive fuel			
Normal petrol		++	+
Petrol Super		-	--
Diesel oil		++	+
Paraffin	100%	++	--
Beer		++	++
Brake fluid		++	++
Anti-freeze fluid (glyco-diethylene)		++	++
Sodium hypochlorite, aqueous solution	5%	++	
Liquid propane	100%	++	
Cresol solution		-	--
Soap solution	saturated	++	++
Mercury	100%	++	++
Rum	40%	++	++
Potassium sulphate, aqueous solution	saturated	++	++
Sodium sulphate, aqueous solution	saturated	++	++
Sodium sulphide, aqueous solution	saturated	++	++

Medium	Concentration	40°C	60°C
Sodium sulphite, aqueous solution	saturated	++	++
Hydrogen sulphide	saturated	++	++
Pitch (tar)		++	++
Lemon juice		++	++
Brine	concentrated	++	++
Dry salt		++	++
Agent for dish washing, liquid		++	++
Tetra-chloracetate	100%	--	--
Tetra-chlorethylene (per-chlorethylene)	100%	--	--
Tetra-hydrofurane	100%	--	--
Sodium tio-sulphate	saturated	++	++
Toluene	100	--	--
Chlorinated lime		+	
Potassium carbonate, aqueous solution	saturated	++	
Sodium carbonate, aqueous solution	saturated	++	++
Water	100%	++	++
Chlorinated water	saturated	+	
Aqua regia (nitrohydrochloric acid)		+	
Seawater		++	++
Sodium hydroxide	50%	+	+
Sodium hydroxide (aggressive soda)	100%	++	++

++	resistant
+	conditioned resistant with the occurrence hazard of tensioning stress cracks
O	conditioned resistant
-	low resistant
--	not resistant