

# SPIRAL REINFORCED FLEXIBLE HOSES

## CHEMICAL RESISTANCE GUIDE

1. Satisfactory.
2. Recommended for the service and conditions shown for Oil Hose.
3. The material may be considered for use when alternative materials are unsatisfactory and where limited life is acceptable.  
When PVC is to be used with such chemicals full-scale trials under realistic conditions are particularly necessary.
4. Unsatisfactory.

CHEMICAL	CONCENTRATION	CONDITIONS	
		20° C	60° C
Acetic acid	10%	1	1
Acetic acid	60%	1	3
Acetic acid	Glacial	4	4
Acetic Anhydride		4	4
Aceton	Traces	4	4
Aceton	100%	4	4
Adipic acid			
Alcohol allyl		4	4
Alcohol ethyl	40% w/w water	1	
Alcohol ethyl	100%	1	
Alcohol isopropyl		1	
Alcohol methyl	6% aq.sol.	1	
Alcohol methyl	100%	3	
Aluminium salts		1	1
Allyl chloride		4	4
Ammonia	0,88 s.g.aq.soln	1	
Ammonia	Dry gas	1	
Ammonia	Liquid	4	4
Ammonium hydroxide		1	
Ammonium salts		1	1
Ammonium sulfide		1	4
Aniline		4	4
Animal oils		1	1
Barium salts		1	1
Beer		1	
Benzaldehyde	Traces	4	4
Benzaldehyde	100%	4	4
Benzene		4	4

CHEMICAL	CONCENTRATION	CONDITIONS	
		20° C	60° C
Borax		1	
Brine		1	1
Bromine	Gas, Traces	4	4
Bromine	100% Dry Gas	4	4
Bromine	Liquid	4	4
Butane		1	1
Butanol		1	3
Butyl acetate		4	4
Butyric acid	20% aq.soln.	1	
Butyric acid	Conc.	4	4
Calcium hydroxide		1	
Calcium hypochlorite		1	
Calcium salts		1	1
Carbon dioxide		1	1
Carbon disulphide		4	4
Carbon monoxide		1	1
Carbon tetrachloride		4	4
Casein		1	1
Chlorine	10% (dry gas)		
Chlorine	100% (dry gas)		
Chlorine	10% (moist gas)		
Chlorine	Sat.soln.	3	4
Chlorobenzene		4	4
Chloroform		4	4
Chlorosulfonic acid		4	4
Chromic acid	Plating soln	4	4
Chromic acid	Conc.		
Citric acid		1	
Copper salts		1	1
Cycloexanol		4	4
Cycloexanone		4	4
Detergents, Synthetic	All conc.	1	
Developers photograph.		1	1
Dextrose		1	1
Dichlorethylene		4	4
Dichlorobenzene		4	4
Diesel Oil		2	2
Diethyl ether		4	4
Dimethylamine			
Emulsifiers	All conc.	1	1
Emulsions photograph.		1	1
Ether		4	4
Ethyl acetate		4	4

CHEMICAL	CONCENTRATION	CONDITIONS	
		20 °C	60 °C
Ethylene dichloride		4	4
Ethylene Glycol		1	
Fatty acids			
Ferric salts		1	1
Fixing solution, photog.		1	1
Fluorine		4	4
Formaldehyde	40% w/w in wat.	1	
Formic acid	40%	1	1
Formic acid	50%	3	4
Formic acid	100%	4	4
Glucose		1	1
Glycerine		1	
Grape sugar		1	1
Hydrochloric acid	10% aq.soln.	1	1
Hydrochloric acid	22%	1	3
Hydrochloric acid	Conc.	1	3
Hydrofluoric acid	4% aq.soln.	1	1
Hydrofluoric acid	40% aq.soln.	1	
Hydrofluoric acid	60% aq.soln.	4	4
Hydrofluoric acid	Conc.	4	4
Hydrogen		1	1
Hydrogen bromide anhydrous		1	
Hydrogen chloride anhyd.		1	
Hydrogen fluoride		1	
Hydrogen peroxide	3% (10 vol)	1	
Hydrogen peroxide	12% (40 vol)	1	
Hydrogen peroxide	30% (100 vol)	1	
Hydrogen peroxide	90% and above	1	
Hydrogen sulphite		1	
Iodine	Soln in potass.		
Iodine	Iodide	4	4
Lactic acid	10%	1	
Lactic acid	100%	4	4
Laquer solvents		3	4
Lauric acid		1	
Lauryl alcohol		1	
Lead salts		1	1
Magnesium salts		1	1
Manganese dioxide	Conc. soln.	1	1
Mercuric chloride		4	4
Methyl chloride		4	4
Methyl ethyl ketone		4	4
Methylene chloride		4	4

CHEMICAL	CONCENTRATION	CONDITIONS	
		20°C	60°C
Milk		1	
Mineral oils		2	2
Mixed acids (sulphuric / nitric) Various proportions			4
Molasses		1	1
Naphta		4	4
Naphtalene		4	4
Nickel salts	10%	1	1
Nitric acid	25%	1	
Nitric acid	50%	1	
Nitric acid	70%	1	3
Nitric acid	95%	3	4
Nitric acid		4	4
Nitrobenzene		4	4
Nitrogen fertilizers	Moist	1	
Nitrous fumes			4
Oleic acid		1	
Oxalic acid		1	1
Oxygen		1	1
Ozon		1	
Palmitic acid		1	
Paraffin		3	
Petrol	80:20	2	2
Petrol benzene mixt.		4	4
Phenol	20% aq. soln		4
Phosphoric acid	30% aq. soln	1	1
Phosphoric acid		1	1
Phtografic developers		1	1
Phtografic emulsions		1	1
Phot. fixing sol.	1% w/w in wat.	1	1
Picric acid	10% w/w in alc.	1	1
Picric acid	1% aq. soln	1	
Potassium hydroxide	10% aq. soln	1	1
Potassium hydroxide	Conc. aq. soln	1	1
Potassium hydroxide		1	4
Potassium salts		1	1
Propane		2	2
Propylene dichloride		4	4
Salicylic acid		1	1
Sea water		1	1
Soap solution		1	
Sodium hydroxide	1% aq. soln	1	
Sodium hydroxide	10% aq. soln	1	3

CHEMICAL	CONCENTRATION	CONDITIONS	
		20°C	60°C
Sodium hydroxide	40% aq. soln	1	4
Sodium hydroxide	Conc. aq. soln	1	4
Sodium hypochlorite	15% act. cl.	1	3
Sodium salts		1	1
Sulphur dioxide	Dry	1	1
Sulphur dioxide	Moist	1	3
Sulphur dioxide	Liquid	3	4
Sulphuric acid	10%	1	1
Sulphuric acid	45%	1	1
Sulphuric acid	50%	1	1
Sulphuric acid	60%	3	3
Sulphuric acid	98%	4	4
Sulphuric acid	Fuming	4	4
Sulphurous acid	30%	1	
Tallow		1	
Tannic acid		1	
Tanning extracts		1	
Tartaric acid		1	
Tetraethyl lead		1	
Tetrahydrofuran		4	4
Tetralin		4	4
Toluene		4	4
Transformer oil		2	4
Trichlorethane		4	4
Triethanolamine		4	4
Trichlorethylene		1	1
Triethylamine			
Turpentine			
Urea		1	
Vegetable oils		1	
Vinegar		1	
Vinyl acetate		4	4
Water		1	1
Wetting agents	All conc.	1	1
Wines & spirits		1	1
Xylene		4	4
Zink salts		1	1

This is an indicative list intended for general guidance only. The information furnished hereby is based on our best knowledge and experience. No warranty can be given as much depends upon the exact working conditions of each case.