WENCON®

Chemical resistance overview

Product: Wencon Coating S (ref. 09.09.2020)

Medium:	Immersion period:									
	24 hr	1 week	2 week	3 weeks	1 month	2 month	3 month	4 month	5 month	6 month
Anorganic acids										
Phosphoric acid 10%	+	●	●	●	●	●	-	-	-	-
Nitric acid 10%	●	●	●	●	●	●	●	●	-	-
Hydrochloric acid 10%	+	+	+	●	●	●	●	●	-	-
Hydrochloric acid conc.	●	●	●	●	_1)	_1)	_1)	■1)	■1)	■1)
Sulphuric acid 10%	+	+	+	+	●	●	●	●	●	-
Sulphuric acid 25%	+	+	●	●	●	●	●	●	●	-
Sulphuric acid 40%	●	●	●	●	●	●	●	●	●	●
Sulphuric acid 55%	●	●	●	●	●1)	●1)	●	_1)	_1)	-
Organic acids										
Acetic acid 10%	▲	■	■	■	■	■	■	■	■	■
Citric acid 10%	+	+	+	+	+	+	+	+	+	●
Lactic acid 10%	▲	■	■	■	■	■	■	■	■	■
Formic acid 10%	-	■	■	■	■	■	■	■	■	■
Alkali										
Ammonia 10%	●	●	●	●	●	●	●	●	●	●
Ammonia 25%	●	●	●	●	●	●	●	●	●	●
Caustic soda 10%	+	+	+	+	+	+	●	●	●	●
Caustic soda 40%	+	+	+	+	+	+	+	+	+	+
Aqueous solutions										
Bleach lye	+	●	●	●	●	●	●	●	●	●
Green soap 20%	+	+	+	+	+	+	+	+	+	+
Brine 25%	+	+	+	+	+	+	+	+	+	+
Soda water 50%	+	+	+	+	+	+	+	+	+	+
Sugar water 50%	+	+	+	+	+	+	+	+	+	+
Synth. detergent	●	●	●	●	●	●	●	●	●	●
Aliphatic hydrocarbons										
Fuel	●	●	_	_	_	_	_	_	_	_
Gas oil	+	+	+	+	+	+	●	●	●	●
White Spirit	+	+	+	+	●	●	●	●	●	●
Aromatic hydrocarbons										
Xylene	●	●	-	-	-	-	-	-	-	
Alcohols										
Ethoxypropanol	-	-	-	-	-	-	-	-	-	-
Isobutanol	●	●	●	●	●	●	●	●	●	●
Glycerol	●	●	●	●	●	●	●	●	●	●
Methanol	-	-	-	-	-	-	-	-	-	-
Ketones										
Methyl-ethyl-ketone	■	■	■	■	■	■	■	■	■	■
Greases & oil										
Mineral oil	+	+	+	+	+	+	+	+	+	+
Mineral grease	+	+	+	+	+	+	+	+	+	+
Vegetable oil	+	+	+	+	+	+	+	+	+	+

Medium:	Immersion period:									
	24 hrs	1 week	2week	3 week	1 month	2 month	3 month	4 month	5 month	6 month
Several										
Drilling oil	+	+	+	+	+	+	●	●	●	●
Demi-water	●	●	●	●	●	●	●	●	●	●
Formalin 40%	●	●	●	●	●	●	●	●	●	●
Brake fluid	●	-	-	-	-	-	-	-	-	-

Explanation of the symbols:

+	'No difference at 20°C'
●	'Slight surface effect; haze/discoloration'
-	'Not resistant; softening'
▲	'Not resistant; blisters slight surface softening'
■	'Not resistant; swelling; cracking'

[1)] Residue