Resistance List
Munkadur® Classic – Munkadur® GL

Agent	Concentration	Assessment	Period	Remarks
Acids:				
phosphoric acid	5 %	+	9 months	Lightly discolouration
nitric acid	5 %	–	1 month	Discolouration, blistering
hydrocloric acid	5 %	±	1 month	Lightly discoloured
sulphuric acid	5 %	±	1.5 months	Darker discolouration
sulphureous acid (2 g/l)	0.2 %	++	12 month	
formic acid	98 %	–		
formic acid	2 %	++*	1 month	*Munkadur GL-> ±
acetic acid	10 %	++	1 month	
lactic acid	90 %	±		
peracetic acid	0.05%	++	1 month	
peracetic acid	0.1 %	±	1 month	Surface plainly matted
acidity of wine	10 %	+	7 months	Brightly discoloured
citric acid	10 %	++	7 months	
citric acid*	45 %	++*	1 month	*Munkadur GL -> +
Caustics:				
ammonia	25 %	–	9 months	Blistering
potash solution	35 %	–	9 months	
caustic soda*	2.0 %	+*	1 month	*Munkadur Classic 35 % ++
Salines:				
aluminium solphate	25 %	++	7 months	
ammonium chloride	15 %	++	7 months	
ammonium-nitrate urea solvent	100 %	++	12 months	
ammonium sulphate	10 %	++	8 months	
calcium hydrate (lime paste)		++	9 months	
ferrichlorid	10 %	0	8 months	Surface black coloured
ferrous sulphate	10 %	++	7 months	
potassium carbonate	20 %	++	7 months	
potassium nitrate	10 %	++	7 months	
potassium sulphate	5 %	++	8 months	
magnesium chloride	15 %	++	9 months	
sodium bicarbonate	15 %	++	7 months	
sodium chloride	15 %	++	7 months	
sodium acid sulphate	10 %	0	7 months	Surface darker discoloured
sodium phosphate	10 %	++	7 months	

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Other media:					
hydrogen peroxide	3 %	++	1	month	
	5 %	+	1	month	
sodium hypochlorite	0.5 %	0*	1	month	*Munkadur Classic -> +

Agent	Concentration	Assessment	Agent	Assessment
Organic media:			**Food and luxury articles:**	
acetaldehyde	100 %	–	beer	++
acetone	100 %	–	fruit-juices	++
petrol	100 %	++	inseed oil	++
benzol		++	milk	++
diesel oil		++	mineral water	++
acetic ether		–	sour milk	++
animal fat	100 %	++	champagne	++
vegetable fat	100 %	++	salad oil	++
formaldehyde	2 %	++	tomato juice	++
glykol		++	potable-water	++
glyzerine		++	wine	++
heating fuel oil		++	vermouth	++
methanol		–	lemon juice	++
dichloromethane		–	sugar solution	++
methyl ethyl ketone		–		
methyl isobutyl ketone		–		
tetrachloroethylene		++		
petroleum		++		
turbine fuel		++		

Test temperature: 20° C +/- 2° C

LEGEND

++	:	stable
+	:	possible minimum discolouration
–	:	instable
±	:	the surface is plainly matted
0	:	discolouration/chalking

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