Chemical resistance: **Nov-2003**

Tarkett: Granit Multisafe See appendix for key

Acids										
Acetic acid	CH_3COOH	Conc.	2 min	A0	B0	C0	D0	E0	F0	G0
			1 h	A0	B1	C0	D0	E0	F0	G0
			24 h	A1	B1	C0	D0	E0	F1*	G0
Chromic acid	CrO_3	40%	2 min	A0	B0	C0	D0	E0	F0	G0
			1 h	A6	B0	C0	D0	E0	F0	G0
			24 h	A6	B0	C0	D0	E0	F0	G0
Citric acid	$C_6H_8O_7$	50%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Hydrochloric acid	HCl	Conc.	2 min	A0	B0	C0	D0	E0	F0	G0
			1 h	A5	B1	C0	D0	E0	F0	G0
			24 h	A5	B2	C1	D0	E0	F0	G0
Hydrofluoric acid	HF	40%	2 min	A0	B0	C0	D0	E0	F0	G0
			1 h	A0	B1	C1	D0	E0	F0	G0
			24 h	A0	B2	C1	D1	E0	F1*	G0
Phosphoric acid	H_3PO_4	Conc.	2 min	A0	B0	C0	D0	E0	F0	G0
			1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Phosphoric acid	H_3PO_4	38%	24 h	A0	B0	C0	D0	E0	F0	G0
Lactic acid	$C_3H_6O_3$	Conc.	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Nitric acid	HNO_3	Conc.	2 min	A0	B0	C0	D0	E0	F0	G0
			1 h	A5	B2	C1	D1	E1	F0	G0
			24 h	A6	B2	C1	D1	E1	F5	G0
Nitric acid	HNO_3	30%	2 min	A0	B0	C0	D0	E0	F0	G0
			1 h	A0	B1	C0	D0	E0	F0	G0
			24 h	A5	B2	C1	D1	E1	F5	G0
Oxalic acid	$C_2H_2O_4$	10%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Sulphuric acid	H_2SO_4	Conc.	2 min	A5	B0	C0	D0	E0	F0	G0
			1 h	A6	B2	C1	D1	E1	F5	G0
			24 h	A6	B2	C1	D1	E2	F6	G0
Sulphuric acid	H_2SO_4	30%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Organic solvents										
Acetone	C_3H_6O		2 min	A0	B1	C1	D0	E0	F0	G0
			1 h	A0	B1	C1	D1	E5	F5	G0
			24 h	A0	B1	C1	D1	E5	F5	G0
Acetonitrile	CH_3CN		2 min	A0	B0	C0	D0	E0	F0	G0
			1 h	A0	B1	C1	D0	E5	F0	G0
			24 h	A0	B1	C1	D0	E5	F5	G0
Carbon tetrachloride	CCl_4		2 min	A0	B0	C0	D0	E0	F0	G0
			1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B1	C1	D0	E0	F0	G0
Chloroform	$CHCl_3$		2 min	A0	B1	C1	D0	E0	F0	G0
			1 h	A0	B1	C1	D0	E5	F5	G0
			24 h	A0	B1	C1	D0	E5	F5	G0
Cyclohexane	C_6H_{12}		2 min	A0	B0	C0	D0	E0	F0	G0
			1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Dichloroethylene	$C_2H_2Cl_2$		2 min	A0	B0	C0	D0	E0	F0	G0
			1 h	A0	B0	C0	D0	E0	F1*	G0
			24 h	A0	B1	C1	D0	E0	F1*	G0
Methylene Chloride	CH_2Cl_2		2 min	A0	B1	C1	D0	E0	F0	G0
			1 h	A0	B1	C1	D1	E5	F0	G0
			24 h	A0	B1	C1	D2	E5	F5	G0
Ethanol	C_2H_5OH		1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Ethyl acetate	$C_4H_8O_2$		2 min	A0	B0	C0	D0	E0	F0	G0
			1 h	A0	B1	C1	D1	E5	F5	G0
			24 h	A0	B1	C1	D1	E5	F5	G0
Ethylene glycol	$C_2H_6O_2$		24 h	A0	B0	C0	D0	E0	F0	G0
Diethyl ether	$(C_2H_5)_2O$		2 min	A0	B0	C0	D0	E0	F0	G0
			1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B1	C1	D0	E0	F0	G0

Organic solvents,cont.										
n-Hexane	C_6H_{14}		1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B1	C1	D0	E0	F0	G0
Formaldehyde	CH_2O		24 h	A0	B0	C0	D0	E0	F0	G0
Methanol	CH_3OH		1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Petrol			1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B1	C0	D0	E0	F0	G0
Tetrachloroethylene	C_2Cl_4		2 min	A0	B0	C0	D0	E0	F0	G0
			1 h	A0	B1	C1	D1	E5	F5	G0
			24 h	A0	B1	C1	D1	E5	F5	G0
Toluene	C_7H_8		2 min	A0	B0	C0	D0	E0	F0	G0
			1 h	A0	B1	C1	D1	E5	F5	G0
			24 h	A0	B1	C1	D1	E6	F6	G0
Trichlorethylene	C_2HCl_3		2 min	A0	B0	C0	D0	E0	F0	G0
			1 h	A0	B0	C0	D0	E5	F5	G0
			24 h	A0	B1	C1	D1	E5	F6	G0
White spirit			2 min	A0	B0	C0	D0	E0	F0	G0
			1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B1	C0	D0	E5	F0	G0
Alkali (Bases)										
Ammonia solution	NH_3	25%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Calcium hydroxide	$Ca(OH)_2$	10%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Sodium hydroxide	NaOH	50%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Sodium hydroxide	NaOH	10%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Salt solutions										
Ammonium carbonate	$(NH_4)_2CO_3$	10%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Ammonium iron (III) sulphate	$NH_4Fe(SO_4)_2$	10%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Cobaltous chloride	$CoCl_2$	10%	24 h	A0	B0	C0	D0	E0	F0	G0
Copper (II) sulphate	$CuSO_4$	10%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Ferrous (II) chloride	$FeCl_2$	10%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A5	B0	C0	D0	E0	F0	G0
Ferric (III) chloride	$FeCl_3$	10%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A5	B0	C0	D0	E0	F0	G0
Potassium iodide	KI	10%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A5	B0	C0	D0	E0	F0	G0
Potassium oxalate	$K_2C_2O_4$	10%	24 h	A0	B0	C0	D0	E0	F0	G0
Potassium permanganat	$KMnO_4$	5% in H_2O	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A5	B0	C0	D0	E0	F0	G0
Silver nitrate	$AgNO_3$	2%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A5	B0	C0	D0	E0	F0	G0
Sodium carbonate	Na_2CO_3	20%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Sodium thiosulphate	$Na_2S_2O_3$	10%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Sodium sulphite	Na_2SO_3	10%	24 h	A0	B0	C0	D0	E0	F0	G0
Medical chemicals										
Aniline blue		2,5% in ethanol	1 h	A6	B0	C0	D0	E0	F0	G0
			24 h	A6	B0	C0	D0	E0	F0	G0
Betadine skin cleanser		75mg/ml	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A5	B0	C0	D0	E0	F0	G0
Bromcresol green		0,04%	24 h	A0	B0	C0	D0	E0	F0	G0
Eosin		1% in ethanol	1 h	A6	B0	C0	D0	E0	F0	G0
			24 h	A6	B0	C0	D0	E0	F0	G0
Glutaraldehyde		25%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0

Medical Chemicals, cont.										
Hematoxylin		5%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A5	B0	C0	D0	E0	F0	G0
Hibitane		0,5%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Iodine	I_2	2 % in	2 min	A5	B0	C0	D0	E0	F0	G0
		ethanol	1 h	A6	B0	C0	D0	E0	F0	G0
Iodoform		1% in	1 h	A6	B0	C0	D0	E0	F0	G0
		ethanol	24 h	A6	B0	C0	D0	E0	F0	G0
Methylrosanilinium		0,1%	1 h	A6	B0	C0	D0	E0	F0	G0
			24 h	A6	B0	C0	D0	E0	F0	G0
Disinfectants/cleaning compounds										
Product	**Manuf./Rep.**									
Buraton 10F	Schülke &	1%	24 h	A0	B0	C0	D0	E0	F0	G0
”-	Mayr	10%	24 h	A0	B0	C0	D0	E0	F0	G0
Citrosteril	Fresenius	Conc.	24 h	A0	B0	C0	D0	E0	F0	G0
Debisan	Nordex	1 %	24 h	A0	B0	C0	D0	E0	F0	G0
”-		10%	24 h	A0	B0	C0	D0	E0	F0	G0
Dialox	Gambro	Conc.	24 h	A0	B0	C0	D0	E0	F0	G0
Gevisol	Schülke &	0,5%	24 h	A0	B0	C0	D0	E0	F0	G0
”-	Mayr	5%	24 h	A5	B0	C0	D0	E0	F0	G0
Incidur	Henkel	0,5%	24 h	A0	B0	C0	D0	E0	F0	G0
”-		3%	24 h	A0	B0	C0	D0	E0	F0	G0
Lycetol AF	Schülke &	1%	24 h	A0	B0	C0	D0	E0	F0	G0
”-	Mayr	5%	24 h	A0	B0	C0	D0	E0	F0	G0
Melsept	B Braun	1%	24 h	A0	B0	C0	D0	E0	F0	G0
”-		5%	24 h	A0	B0	C0	D0	E0	F0	G0
Perform	Schülke &	0,75%	24 h	A0	B0	C0	D0	E0	F0	G0
”-	Mayr	2,5%	24 h	A0	B0	C0	D0	E0	F0	G0
Sekumatic	Henkel	0,5%	24 h	A0	B0	C0	D0	E0	F0	G0
”-		5%	24 h	A0	B0	C0	D0	E0	F0	G0
Sekusept Plus	Henkel	1%	24 h	A0	B0	C0	D0	E0	F0	G0
”-		5%	24 h	A0	B0	C0	D0	E0	F0	G0
Spitacid	Henkel	Conc.	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Terralin neu	Schülke &	1%	24 h	A0	B0	C0	D0	E0	F0	G0
”-	Mayr	10%	1 h	A0	B0	C0	D0	E0	F0	G0
”-		10%	24 h	A0	B0	C0	D0	E0	F0	G0
Tiutol KF	B Braun	3%	24 h	A0	B0	C0	D0	E0	F0	G0
”-		10%	24 h	A0	B0	C0	D0	E0	F0	G0
Virkon S	Sterisol AB	1%	24 h	A0	B0	C0	D0	E0	F0	G0
”-		2,5%	24 h	A0	B0	C0	D0	E0	F0	G0
Miscellaneous chemicals										
EDTA	$C_{10}H_{16}N_2O_8$	10%	24 h	A0	B0	C0	D0	E0	F0	G0
Glycerol			24 h	A0	B0	C0	D0	E0	F0	G0
Hydrogen peroxide	H_2O_2	30%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Olive oil			24 h	A0	B3	C0	D0	E0	F0	G0
Phenol	C_6H_6O	5%	2 min	A0	B0	C0	D0	E0	F0	G0
			1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B3	C0	D0	E0	F1*	G0
Sodium hypochlorite	NaOCl	12%	1 h	A0	B0	C0	D0	E0	F0	G0
			24 h	A0	B0	C0	D0	E0	F0	G0
Brake fluid	APE	Cons	1 h	A0	B0	C0	D0	E0	F0	G0
Super DOT 4	Components AB		24 h	A0	B0	C0	D0	E5	F5	G0
Hydraulic fluid	Mobil	Cons	1 h	A0	B0	C0	D0	E0	F0	G0
DET 26			24 h	A0	B0	C0	D0	E0	F0	G0

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*The swelling disappears after 1-2 days.

RESISTANCE TO CHEMICALS

Key

A0 No change in lightness or colour
A1 Somewhat lighter surface
A2 Lighter surface
A3 Somewhat darker surface
A4 Darker surface
A5 Somewhat discoloured surface
A6 Discoloured surface

B0 No change in gloss or matness
B1 Somewhat mat surface
B2 Mat surface
B3 Somewhat glossy surface
B4 Glossy surface

C0 No change in patchiness
C1 Somewhat patchy or spotty surface
C2 Patchy or spotty surface

D0 No change in evenness
D1 Somewhat uneven or porous surface
D2 Uneven and porous surface
D3 Somewhat crackled surface
D4 Crackled surface

E0 No brittleness, stickiness or softening
E1 Some surface brittleness
E2 Brittle surface
E3 Some surface stickiness
E4 Sticky surface
E5 Somewhat softened
E6 Softened

F0 No change in size or flatness
F1 Some swelling
F2 Swelling
F3 Slight shrinkage
F4 Shrinkage
F5 Some bulging
F6 Bulging or distortion

G0 No delamination
G1 Delamination of two or more layers

H Other changes noted (text en clair)