#### PRODUCT SPECIFICATION

Product:

Flocklined Nitrile Glove

Article No.:

**RNF 15** 

Material:

Acrylonitrile Butadiene Rubber

Colour:

Green, Blue

Lining:

Cotton

Size:

S, M, L, XL, XXL, XXXL (7, 8, 9, 10, 11, 12)

Applications:

Chemical handling, petrochemical industries, automobile

industries, printing and food processing

Thickness (mm):

0.40 +/- 0.03

Length (mm):

330 +/- 10

Compliance with:

German Foodstuffs and Consumer Goods Act

Personal Protective Equipment Directive 89/686/EEC under

Complex Design Category FFDCA 21 CFR 177,2600

#### **TECHNICAL SPECIFICATION**

Tensile Strength	Unaged	Aged (22hr, 100c)
Tensile Strength at break	22 MPa (min)	18 MPa (min)
Elongation at break	350%	300%

EN 388-94	Level		
Abrasion Resistance	4		
Blade Cut	0		
Tear Strength	0		
Puncture Test	2		

MANUFACTURER:

FILREX (M) SDN BHD

Lot 138201, off 3/4 mile, Kawasan Perindustrian Bercham,

Jalan Bercham, 31400 Ipoh, Perak, Malaysia.

Tel. No.: 605-5482723 Fax No.: 605-5482726

e-mail address: rmsb@po.jaring.my

Note: This specification replaces all previous issue of the product specification

Compiled on: 1 June 1999

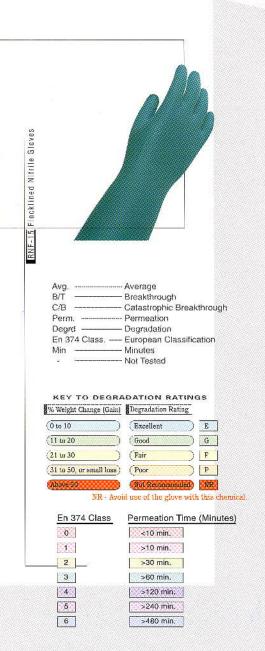


# RUBBEREX CHEMICAL RESISTANCE GUIDE

#### **DEGRADATION & PERMEATION TEST DATA**

- <del> </del>	SUPER NITRILE RNF-15			
CHEMICAL AND CONCENTRATION	En 374 Class.	Avg. Normalized B/T Time (Min)	Avg. Perm. Rate μg/cm²+Min.	Avg. Degrd. Rate
1. Acetaldehyde, 99.5%				Р
2. Acetic Acid, 99+%	3	80	50	G
3. Acetone, 99.5%		-	-	NR
4. Acetonitrile, 99%	2	<15	426	G
5. Acrylic Acid, 99%	3	75	8.3	F
6. Ammonium Fluoride, 40%	6	>480	<0.005	E
7. Ammonuim Hydroxide, 85%	5	320	0.6	NR
8. Amyl Acetate, 100%	4	183	30.1	E
9. Amyl Alcohol, 99+%	6	>480	<0.04	E
10. Aniline, 99+%		-	25	NR
11. Aqua Regia	5	280	>16.45	E
12. Benzaldehyde, 99.5%		-	-	NR
13. Bromopropionic Acid, Sat.	6	>480	<0.033	E
14. Butyl Acetate, 99+%	3	66	57.6	F
15. Butyl Alcohol, 99%	6	>480	<0.07	E
16. Butyl Cellosolve, 99+%	6	>480	<0.04	E
17. Butyrolactone, 99+%	2	-	1	NR
18. Carbon Disulfide, 99.9%	1000	14	C/B	F
19. Carbon Tetrachloride, 99+%	6	>480	<0.002	l E
20. Cellosolve Acetate, 99+%	3	100	27.7	G
21. Chromic Acid, 50%	6	>480	<0.001	E
22. Citric Acid, 10%	6	>480	<0.013	NR.
23. Cyclohexanol, 98%	6	>480	<0.001	E
24. Diacetone Alcohol, 99%	5	273	977.3	E
25. Dibutyl Phthalate, 99%	6	>480	<0.001	E
en cyneste a sesse de la companya de	2	25	72.6	G
26. Diethylamine, 99+%	6	>480	<0.005	E
27. Diisobutyl Ketone, 80%	-	>400	<0.003	NR
28. Dimethyl Acetamide, 99+%		<u> </u>	19/1	
29. N.N-Dimethylformamide, 99+%	050000000000000000000000000000000000000	100	4.0	NR
30. Dimethyl Sulfoxide, 99+%	4	166	4.2	G
31. Dioctyl Phthalate, 99%	6	>480	<0.013	G
32. 1,4-Dioxane, 99.9%	-	-	•	NR
33. Epichlorohydrin, 99+%	-	-	(*)	NR
34. Ethyl Acetate, 99+%	59000250000	-		NR
35. Ethyl Alcohol, 90+%	5	293	1.5	E
36. Ethyl Ether, 99+%	2	48	18.9	E
37. Ethyl Glycol Ether, 99%	4	151	21	F
38. Ethylene Glycol, 99+%	6	>480	<0.001	E
39. Formaldehyde, 99%	6	>480	<0.001	E
40. Formic Acid, 95+%	3	60	>16.45	Р
41. Freon TF, 99+%	6	>480	<0.35	Р
42. Furfural, 99%		-	4	NR
43. Gasoline, White, 100%	6	>480	<0.06	E
44. Hexamethyldisilazine, 97%	6	>480	<0.001	E
45. Hexane, 99+%	6	>480	<0.001	Е
46. Hydrazine, 65%	5	388	3.2	E
47. Hydrochloric Acid, 10%	6	>480	<0.026	E
48. Hydrochloric Acid, 38%	6	>480	<0.026	E
49. Hydrofluoric Æcid, 48%	6	>480	<0.010	G
50. Hydrogen Peroxide, 30%	6	>480	< 0.002	E







Data shown from the following charts are the result of laboratory tests and are intended to serve as a guide only. Results were arrived at by examination of new gloves samples selected at random.

This test data is not an absolute basis for glove selection as testing was done strictly in controlled laboratory conditions. Actual conditions will dictate other performance cababilities of the product. Factors such as glove reuse, thermal conditions, chemical mixtures, the products resistance to abrasion, cuts and punctures may also affect performance.

Therefore, when selecting a glove for its specific application, you must do your own evaluation based on actual working conditions.

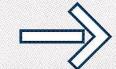
CONCENTRATION		30	JPER NITRI		
52. Isobutyl Alcohol, 99+%         6         >480         <0.002           53. Iso-Octane, 99%         6         >480         <0.001           54. Isopropyl Alcohol, 99+%         6         >480         <0.001           55. Kerosene, 100%         6         >480         <0.07           55. Lactic Acid, 36%         5         >450         <0.07           57. Lauric Acid, 36%         5         >450         <0.1           58. Maleic Acid, Saturated         6         >480         <0.1           59. Methyl Alcohol, 99.9%         2         59         7.5           60. Methyl Hebutyl Ether, 99.8%         5         393         398.3           62. Methyl Cellosalve, 99%         3         80         19.9           63. Methyl Ethyl Ketone, 99+%         6         >480         <0.004           65. Morpholine, 99%         6         >480         <0.004           65. Morpholine, 99%         6         >480         <0.004           66. Morpholine, 99%         6         >480         <0.001           67. Muritic Acid, 100%         6         >480         <0.002           68. Naphtha V& P. 100%         6         >480         <0.002           70. Nitric Acid, 70%         7<			B/T Time	Rate	Avg. Degra Rate
53. Iso-Octane, 99%         6         >480         <0.001	51. Hydroquinone, Sat.	6	>480	<0.033	E
54. Isopropyl Alcohol, 99+%         6         >480         <0.001	52. Isobutyl Alcohol, 99+%	6	>480	<0.002	E
55. Kerosene, 100%         6         >480         0.1           56. Lactic Acid, 85%         6         >480         <0.07	53. Iso-Octane, 99%	6	>480	< 0.001	E
56. Lactic Acid, 85%         6         >480         <0.07	54. Isopropyl Alcohol, 99+%	6	>480	< 0.001	E
57. Lauric Acid, 36%         5         >450         <0.1	55. Kerosene, 100%	6	>480	0.1	E
58. Maleic Acid, Saturated         6         >480         <0.1	56. Lactic Acid, 85%	6	>480	<0.07	G
59. Methyl Alcohol, 99.9+%         2         59         7.5           60. Methylamine, 40%         6         >480         <0.002	57. Lauric Acid, 36%	5	>450	<0.1	E
60. Methylamine, 40% 61. Methylamine, 40% 62. Methyl r-Butyl Ether, 99.8% 63. Methyl Ethyl Ketone, 99% 63. Methyl Ethyl Ketone, 99% 64. Mineral Spirits, Rule 86,100% 65. Monoethanolamine, 99+% 66. A480 67. Morpholine, 99% 67. Muriatic Acid, 100% 68. Naphtha VM & P. 100% 69. N-Methyl-2-Pyrrolidone, 99+% 60. Nitric Acid, 10% 60. A480 61. A480 62. A480 63. Naphtha VM & P. 100% 69. N-Methyl-2-Pyrrolidone, 99+% 60. Nitric Acid, 10% 60. A480 61. A480 62. A480 63. A480 64. A480 65. A480 67. Nitric Acid, 10% 60. A480 6	58. Maleic Acid, Saturated	6	>480	<0.1	E
61. Methyl t-Butyl Ether, 99.8% 5 393 98.3 62. Methyl Cellosolve, 99% 3 80 19.9 63. Methyl Ethyl Ketone, 99% 6	59. Methyl Alcohol, 99.9+%	2	59	7.5	G
62. Methyl Cellosoive, 99% 63. Methyl Ethyl Ketone, 99+% 64. Mineral Spirits, Rule 66,100% 65. Monoethanolamine, 99+% 66. >480	60. Methylamine, 40%	6	>480	<0.002	E
63. Methyl Ethyl Ketone, 99+% 64. Mineral Spirits, Rule 66,100% 65. Monoethanolamine, 99+% 66. A80 67. Muriatic Acid, 100% 68. Naphtha VM & P, 100% 69. N-Methyl-2-Pyrrolidone, 99+% 69. N-Methyl-2-Pyrrolidone, 99+% 69. N-Methyl-2-Pyrrolidone, 99+% 60. A80	61. Methyl t-Butyl Ether, 99.8%	5	393	98.3	E
64. Mineral Spirits, Rule 66,100% 6	62. Methyl Cellosolve, 99%	3	80	19.9	F
65. Monoethanolamine, 99+% 6	63. Methyl Ethyl Ketone, 99+%	8-8	- 1	8340	NR
65. Monoethanolamine, 99+%         6         >480         <0.001		6	>480	<0.004	E
66. Morpholine, 99%	Control Communication and State Control Contro	6	>480	<0.001	E
68. Naphtha VM & P, 100% 69. N-Methyl-2-Pyrrolidone, 99+% 70. Nitric Acid, 10% 71. Nitric Acid, 70% 72. Nitrobenzene, 99% 73. Nitromethane, 95.5% 74. Nitropropane, 95.5% 75. Octyl Alcohol, 99+% 76. Oleic Acid, 99+% 77. Oxalic Acid, 12.5% 78. Palmitic Acid, 85x 79. Pentachlorophenol, 35% 80. Pentane, 98% 81. Perchloric Acid, 60% 82. Phenol, 90% 83. Phosphoric Acid, 85% 84. Potassium Hydroxide, 50% 85. Propyl Acetate, 99% 86. Propyl Alcohol, 96+% 87. Pyridine, 99% 88. Rubber Solvent, 100% 89. Sodium Hydroxide, 50% 89. Sodium Hydroxide, 50% 89. Sodium Hydroxide, 50% 80. Sodium Hydroxide, 50% 81. Sulfuric Acid, 47% 82. Sulfuric Acid, 47% 83. Sulfuric Acid, 47% 84. Sulfuric Acid, 47% 85. Tropyl Acid, 47% 86. Sulfuric Acid, 47% 87. Sulfuric Acid, 47% 88. Rubber Solvent, 100% 89. Sulfuric Acid, 47% 89. Sulfuric Acid, 47% 89. Sulfuric Acid, 95% 80. Title Acid, 37.5% 80. Title	66. Morpholine, 99%	T.	-	1351	NR
68. Naphtha VM & P, 100% 69. N-Methyl-2-Pyrrolidone, 99+% 70. Nitric Acid, 10% 71. Nitric Acid, 70% 72. Nitrobenzene, 99% 73. Nitromethane, 95.5% 74. Nitropropane, 95.5% 75. Octyl Alcohol, 99+% 76. Oleic Acid, 99+% 77. Oxalic Acid, 12.5% 78. Palmitic Acid, 85x 79. Pentachlorophenol, 35% 80. Pentane, 98% 81. Perchloric Acid, 60% 82. Phenol, 90% 83. Phosphoric Acid, 85% 84. Potassium Hydroxide, 50% 85. Propyl Acetate, 99% 86. Propyl Alcohol, 96+% 87. Pyridine, 99% 88. Rubber Solvent, 100% 89. Sodium Hydroxide, 50% 89. Sodium Hydroxide, 50% 89. Sodium Hydroxide, 50% 80. Sodium Hydroxide, 50% 81. Sulfuric Acid, 47% 82. Sulfuric Acid, 47% 83. Sulfuric Acid, 47% 84. Sulfuric Acid, 47% 85. Tropyl Acid, 47% 86. Sulfuric Acid, 47% 87. Sulfuric Acid, 47% 88. Rubber Solvent, 100% 89. Sulfuric Acid, 47% 89. Sulfuric Acid, 47% 89. Sulfuric Acid, 95% 80. Title Acid, 37.5% 80. Title	67. Muriatic Acid, 100%	6	>480	<0.026	E
69. N-Methyl-2-Pyrrolidone, 99+%	ALTER AND	6	>480	<0.002	E
70. Nitric Acid, 10% 71. Nitric Acid, 70% 72. Nitrobenzene, 99% 73. Nitromethane, 95.5% 74. Nitropropane, 95.5% 75. Octyl Alcohol, 99+% 76. Oleic Acid, 99+% 77. Oxalic Acid, 12.5% 78. Palmitic Acid, 8at. 79. Pentachlorophenol, 35% 80. Pentane, 98% 80. Pentane, 98% 81. Perchloric Acid, 60% 82. Phenol, 90% 83. Phosphoric Acid, 85% 84. Potassium Hydroxide, 50% 85. Propyl Acetate, 99% 86. A80 87. Pyridine, 99% 87. Pyridine, 99% 88. Rubber Solvent, 100% 89. Sodium Hydroxide, 50% 89. Sodium Hydroxide, 50% 89. Sodium Hydroxide, 50% 89. Sodium Hydroxide, 50% 80. Pentane, 98% 81. Perchloric Acid, 85% 82. Phenol, 90% 83. Phosphoric Acid, 85% 84. Potassium Hydroxide, 50% 85. Propyl Acetate, 99% 86. Propyl Acetate, 99% 87. Pyridine, 99% 88. Rubber Solvent, 100% 89. Sodium Hydroxide, 50% 89. Sodium Hydroxide, 50% 80. Sodium Hydroxide, 50% 81. Perchloric Acid, 47% 81. Perchloric Acid, 47% 82. Sulfuric Acid, 47% 83. Sodium Hydroxide, 50% 84. Sodium Hydroxide, 50% 85. Sodium Hydroxide, 50% 86. Sodium Hydroxide, 50% 87. Sodium Hydroxide, 50% 88. Sodium Hydroxide, 50% 89. Sodium Hydroxide, 50% 80. Sodium Hydroxide, 50% 80. Sodium Hydroxide, 50% 81. Sodium Hydroxide, 50% 82. Sulfuric Acid, 47% 83. Sodium Hydroxide, 50% 84. Sodium Hydroxide, 50% 85. Sodium Hydroxide, 50% 86. Sodium Hydroxide, 50% 87. Sodium Hydroxide, 50% 88. Sodium Hydroxide, 50% 89. Sodium Hydroxide, 50% 80. Sodium Hydroxide, 50% 81. Sodium Hydroxide, 50% 82. Sodium Hydroxide, 50% 83. Sodium Hydroxide, 50% 84. Sodium Hydroxide, 50% 85. Sodium Hydroxide, 50% 86. Sodium Hydroxide, 50% 87. Sodium Hydroxide, 50% 88. Sodium Hydroxide, 50% 89. Sodium Hydroxide, 50% 80. Sodium Hydroxide		•		(F)	NR
71. Nitric Acid, 70%         -         -         -           72. Nitrobenzene, 99%         -         -         -           73. Nitromethane, 95.5%         0         7         6.3           74. Nitropropane, 95.5%         -         -         -           75. Octyl Alcohol, 99+%         6         >480         <0.002		6	>480	< 0.039	E
72. Nitrobenzene, 99%			-	(#)	NR
73. Nitromethane, 95.5% 74. Nitropropane, 95.5% 75. Octyl Alcohol, 99+% 76. Oleic Acid, 99+% 77. Oxalic Acid, 12.5% 78. Palmitic Acid, Sat. 79. Pentachlorophenol, 35% 80. Pentane, 98% 81. Perchloric Acid, 60% 82. Phenol, 90% 83. Phosphoric Acid, 85% 84. Potassium Hydroxide, 50% 85. Propyl Acetate, 99% 86. Propyl Alcohol, 96+% 87. Pyridine, 99% 88. Rubber Solvent, 100% 89. Sodium Hydroxide, 50% 80. Sodium Hydroxide, 50% 81. Propyl Alcohol, 96+% 82. Subber Solvent, 100% 83. Phosphoric Acid, 47% 84. Sodium Hydroxide, 50% 85. Propyl Alcohol, 96+% 86. Sodium Hydroxide, 50% 87. Pyridine, 99% 88. Rubber Solvent, 100% 89. Sodium Hydroxide, 50% 80. Sodium Hydroxide, 50% 81. Sulfuric Acid, 47% 82. Sulfuric Acid, 47% 83. Tannic Acid, 37.5% 84. 1,1,2,2-Tetrachloroethane, 99% 85. Tetrachloroethane, 99% 86. Toluene, 99+% 87. 1,1,1-Trichloroethane, 99% 88. Tricresyl Phosphate, 90% 89. Triethanolamine, 85% 80. Podel Adam Solven Podel Po		848	-		NR
74. Nitropropane, 95.5%         -         -         -           75. Octyl Alcohol, 99+%         6         >480         <0.002		0	7	6.3	NR
75. Octyl Alcohol, 99+%         6         >480         <0.002	ANTERIO DE ACTURA CONTRACIONA CONTRACIONA DE CONTRA			1/5105/02	NR
76. Oleic Acid, 99+%         6         >480         <0.002	A DECEMBER OF THE CORP. THE PROPERTY OF THE CORP.	6	>480	<0.002	E
77. Oxalic Acid, 12.5%         6         >480         <0.039           78. Palmitic Acid, Sat.         4         236         0.2           79. Pentachlorophenol, 35%         4         160         7.58           80. Pentane, 98%         6         >480         <0.001	A CONTRACTOR OF THE PROPERTY O	Proceedings of the Control of the Co		The second secon	E
78. Palmitic Acid, Sat.       4       236       0.2         79. Pentachlorophenol, 35%       4       160       7.58         80. Pentane, 98%       6       >480       <0.001				C-021 100 000000 101	E
79. Pentachlorophenol, 35%		STATE OF STA			E
80. Pentane, 98% 81. Perchloric Acid, 60% 82. Phenol, 90% 83. Phosphoric Acid, 85% 84. Potassium Hydroxide, 50% 85. Propyl Acetate, 99% 86. Propyl Alcohol, 96+% 87. Pyridine, 99% 88. Rubber Solvent, 100% 89. Sodium Hydroxide, 50% 80. Sodium Hydroxide, 50% 81. Pyridine, 99% 82. Sulfuric Acid, 47% 83. Sulfuric Acid, 47% 84. Sulfuric Acid, 95% 85. Sulfuric Acid, 95% 86. Propyl Alcohol, 96+% 87. Pyridine, 99% 88. Rubber Solvent, 100% 89. Sodium Hydroxide, 50% 80. Sulfuric Acid, 47% 80. Sulfuric Acid, 47% 80. Sulfuric Acid, 95% 81. Sulfuric Acid, 95% 82. Sulfuric Acid, 95% 83. Tannic, 2-Tetrachloroethane, 99% 84. 1,1,2,2-Tetrachloroethane, 99% 85. Tetrachloroethane, 99% 86. Toluene, 99+% 87. 1,1,1-Trichloroethane, 99% 88. Tricresyl Phosphate, 90% 89. Triethanolamine, 85% 80. Sulfuric Acid, 95% 80.		PROPERTY OF STREET			l E
81. Perchloric Acid, 60%       6       >480       <0.005					l E
82. Phenol, 90% 83. Phosphoric Acid, 85% 84. Potassium Hydroxide, 50% 85. Propyl Acetate, 99% 86. Propyl Alcohol, 96+% 87. Pyridine, 99% 88. Rubber Solvent, 100% 89. Sodium Hydroxide, 50% 80. Stoddard Solvent, 99% 80. Stoddard Solvent, 99% 81. Sulfuric Acid, 47% 82. Sulfuric Acid, 47% 83. Tannic Acid, 37.5% 84. The solvent acid, 95% 85. Tetrachloroethane, 99% 86. Toluene, 99+% 87. 1,1,1-Trichloroethane, 99% 88. Rubber Solvent, 100% 89. Sodium Hydroxide, 50% 80. Stoddard Solvent, 99% 80. Stoddard Solvent, 99% 81. Sulfuric Acid, 47% 82. Sulfuric Acid, 95% 83. Tannic Acid, 37.5% 84. 1,1,2,2-Tetrachloroethane, 99% 85. Tetrachloroethane, 99% 86. Toluene, 99+% 87. 1,1,1-Trichloroethane, 99% 88. Tricresyl Phosphate, 90% 89. Triethanolamine, 85% 80. At 50 80. At 5					] E
83. Phosphoric Acid, 85%       5       450       0.849         84. Potassium Hydroxide, 50%       6       >480       <0.18			-		NR
84. Potassium Hydroxide, 50%         6         >480         <0.18			450	0.849	E
85. Propyl Acetate, 99%       1       28       105         86. Propyl Alcohol, 96+%       6       >480       <0.09	AND THE THE LEW TROOP RECORDED IN THE SALE OF STITLE AND ADDRESS OF THE LEW TROOP.			0.0000000000000000000000000000000000000	E
86. Propyl Alcohol, 96+%       6       >480       <0.09	ACTIVE DE CONTRACTOR DESCRICACIÓN DE PROPOSITIVO DE DEPORTOR DE CONTRACTOR DE CONTRACT	AND THE PROPERTY OF			l F
87. Pyridine, 99%         -         -         -           88. Rubber Solvent, 100%         6         >480         <0.04	The state of the s	********			] E
88. Rubber Solvent, 100%         6         >480         <0.04		E-0.0.1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			NR
89. Sodium Hydroxide, 50%       6       >480       <0.022			>480	<0.04	E
90. Stoddard Solvent, 99% 6 >480 <0.002 91. Sulfuric Acid, 47% 6 >480 <0.018 92. Sulfuric Acid, 95% 8 93. Tannic Acid, 37.5% 5 >325 0.3 94. 1,1,2,2-Tetrachloroethane, 99% 1 15 1337 95. Tetrachloroethylene, 100% 5 350 0.6 96. Toluene, 99+% 1 19 13.8 97. 1,1,1-Trichloroethane, 99% 3 76 51 98. Tricresyl Phosphate, 90% 5 330 0.29 99. Triethanolamine, 85%		The second second second second			G
91. Sulfuric Acid, 47% 6 >480 <0.018 92. Sulfuric Acid, 95% 93. Tannic Acid, 37.5% 5 >325 0.3 94. 1,1,2,2-Tetrachloroethane, 99% 1 15 1337 95. Tetrachloroethylene, 100% 5 350 0.6 96. Toluene, 99+% 1 19 13.8 97. 1,1,1-Trichloroethane, 99% 3 76 51 98. Tricresyl Phosphate, 90% 5 330 0.29 99. Triethanolamine, 85%		FARALITY CONTRACTOR OF THE PROPERTY OF THE PRO			E
92. Sulfuric Acid, 95%       -       -       -         93. Tannic Acid, 37.5%       5       >325       0.3         94. 1,1,2,2-Tetrachloroethane, 99%       1       15       1337         95. Tetrachloroethylene, 100%       5       350       0.6         96. Toluene, 99+%       1       19       13.8         97. 1,1,1-Trichloroethane, 99%       3       76       51         98. Tricresyl Phosphate, 90%       5       330       0.29         99. Triethanolamine, 85%       -       -       -		La constant de la con			G
93. Tannic Acid, 37.5%       5       >325       0.3         94. 1,1,2,2-Tetrachloroethane, 99%       1       15       1337         95. Tetrachloroethylene, 100%       5       350       0.6         96. Toluene, 99+%       1       19       13.8         97. 1,1,1-Trichloroethane, 99%       3       76       51         98. Tricresyl Phosphate, 90%       5       330       0.29         99. Triethanolamine, 85%       -       -       -			7700		N.R.
94. 1,1,2,2-Tetrachloroethane, 99%     1     15     1337       95. Tetrachloroethylene, 100%     5     350     0.6       96. Toluene, 99+%     1     19     13.8       97. 1,1,1-Trichloroethane, 99%     3     76     51       98. Tricresyl Phosphate, 90%     5     330     0.29       99. Triethanolamine, 85%     -     -     -			325	U 3	E
95. Tetrachloroethylene, 100%       5       350       0.6         96. Toluene, 99+%       1       19       13.8         97. 1,1,1-Trichloroethane, 99%       3       76       51         98. Tricresyl Phosphate, 90%       5       330       0.29         99. Triethanolamine, 85%       -       -       -				100 A000	15403040454
96. Toluene, 99+%     1     19     13.8       97. 1,1,1-Trichloroethane, 99%     3     76     51       98. Tricresyl Phosphate, 90%     5     330     0.29       99. Triethanolamine, 85%     -     -     -					NR
97. 1,1,1-Trichloroethane, 99%       3       76       51         98. Tricresyl Phosphate, 90%       5       330       0.29         99. Triethanolamine, 85%       -       -       -		Total Reposition of the Party			NR
98. Tricresyl Phosphate, 90%     5     330     0.29       99. Triethanolamine, 85%     -     -     -					N.R
99. Triethanolamine, 85%		ACCOUNT OF THE PARTY OF THE PAR			E
5555		5	330	0.29	G
400 Tuescation 4000/ Hermanian too II accomp		ANNUAL ANNUAL	100	-0.000	G
100. Turpentine, 100%     6     >480     <0.003		100000000000000000000000000000000000000			E

NOTE: DATA IN THIS GUIDE REFERS TO RUBBEREX SUPER NITRILE RNF-15 ONLY © 1998 Rubberex (M) Sdn. Bhd. 1st Edition. This guide replaces all previously published guides and is the sxclusive property of Rubberex (M) Sdn. Bhd. It may not be copied, duplicated or reproduced by any means without our expressed, written permission.



RUBBEREX (M) SDN. BHD. (81107-V) FILREX MALAYSIA SDN. BHD. (216855-X) ISO 9002

LOT 21251, OFF 3/4 MILE JALAN BERCHAM, KAWASAN PERINDUSTRIAN BERCHAM, 31400 IPOH, PERAK, WEST MALAYSIA. TEL: 605-5482723/724/725 • FAX: 605-5482726, 5486491, 5470443



# MATERIAL SAFETY DATA SHEET

# SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

#### Introductory Details

Date of issue:

1 June 1999

Edition:

1

**Product Details** 

Product Type:

Nitrile Flocklined Glove

Article No .:

**RNF 15** 

Main polymer composition:

Nitrile Synthetic Rubber

Polymer name:

Acrylonitrile Butadiene Rubber

Usage:

Hand protection against oil, fats, solvents and chemicals Suitable for use in automobile, aircraft, printing, paint, food

processing, and petrochemical industries.

Manufacturer's Name:

Filrex (Malaysia) Sdn Bhd

Manufacturer's Address:

Lot 138201, off 3/4 mile, Kawasan Perindustrian Bercham,

Jalan Bercham, 31400 Ipoh, Perak, Malaysia.

Telephone No.:

605-5482723

Fax No:

605-5482726

E-mail address:

rmsb@po.jaring.my

#### SECTION 2: INFORMATION ON INGREDIENT

Chemical composition:

Acrylonitrile Butadiene Rubber

Cotton flock

Pottasium Hydroxide

Antioxidant

Rubber accelerator Colour Pigment

Sulphur

Titanium Dioxide

Zinc Oxide

## SECTION 3 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Smooth finish with internal flock lining

Colour:

Green, Blue

Thickness:

0.40 +/- 0.03 mm

Length:

330 +/- 10 mm

Tensile strength at break:

20 MPa min (unaged)

Elongation at break:

350% min (unaged)

Tensile strength at break:

18 MPa min (aged at 100C for 22 hours)

Elongation at break:

300% min (aged at 100C for 22 hours)

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#### SECTION 4: HAZARD IDENTIFICATION

Nil

#### SECTION 5 : FIRST AID MEASURE

Skin contact:

If rashes appear on skin after contact, please seek medical advice and discontinue use (for those individuals who may have allergic response to cotton flock, carba and mercapto

mix type of accelerators.)

Suitable for individuals who are allergic to natural rubber

and thiuram mix.

#### SECTION 6 : FIRE FIGHTING MEASURES

If the product caught fire, it will release dense black smoke.

Extinguishing media:

Carbon dioxide

### SECTION 7: ACCIDENTAL RELEASE MEASURE

Leak / Spill:

Not applicable

#### SECTION 8: HANDLING AND STORAGE

Handling:

Worn by enduser for hand protection

Storage:

Packed in polyethylene or polypropylene bags in a cool, dry place, away from direct sunlight and

heat.

# SECTION 9 : EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure limit:

Not applicable

Personal protection:

Not applicable

Ventilation:

Not applicable

## SECTION 10 : STABILITY AND REACTIVITY

Conditions to avoid:

Dry cleaning, direct heating and sunlight.

Incompatibles:

Nil

Decomposition Products: .

Nil

Hazardous Polymerization:

Nil

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# SECTION 11: TOXICOLOGY INFORMATION

Toxicity Data:

Nil

Carcinogenicity:

Nil --

Reproductive effect: Effects of overexposure:

Nil

Chronic effects:

Nil

Target organs:

Nil

Medical conditions generally

Nil Nil

aggravated by exposure:

# SECTION 12: ECOLOGICAL INFORMATION

Biodegradability:

No

# SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable national environment laws and

# SECTION 14: TRANSPORT INFORMATION

No special requirements

## SECTION 15 : OTHER INFORMATION

This product carries the CE mark under the complex design category as per PPE directive 89/686/EEC.

Complied to the German Foodstuffs and Consumer Goods Act as per directive

Complied to FDA 21 CFR 177.2600

### SECTION 16 : CONTACT POINT

In case of emergency or for further information, please contact the following

Filrex (Malaysia) Sdn Bhd

Lot 138201, off 3/4 mile, Kawasan Perindustrian Bercham, Jalan Bercham, 31400 Ipoh, Perak, Malaysia.

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Note:

This edition replaces all other previous edition of the MSDS

This data given is based on our current experience and knowledge. This information is intended for guidance and should not be used as a warranty for the performance of this