Chemical Resistance Data

DISCLAIMER

This chemical permeation data should be used as a guide only and always as part of a full risk assessment on the work to be undertaken wearing the product.

The figures represent the fabrics chemical resistance under laboratory conditions and are not intended to offer a safe use time for the garment.

Chemical Comments Alternate Name(s) Concencentration	Test Results (Breakthrough Time)	Rating
CAS No.:- EC No.:- EU Index No.:-		
Fish Oil [Menhaden] [Chemical Product] *Menhaden - A Small Oily-Fleshed Fish* *Important Input For Fishmeal And Fish Oil*		
N/A	*Breakthrough Time:- >480 Mins [Fabric]; >480 Mins [Seam]*	*Class 6 [Fabric]; Class 6 [Seam] (EN 14605)*
Horolith V [Ecolab Ltd.] [Trade Name] *Trade Name Chemical - Components: 30-50% Nitric Acid [CAS: 7697-37-2] / 2-5% Phosphoric Acid [CAS: 7664-38-2]*		
Undiluted	*Breakthrough Time:- >480 Mins [Fabric]; >480 Mins [Seam]*	*Class 6 [Fabric]; Class 6 [Seam] (EN 14605)*
Hypochloran RS [Ecolab Ltd.] [Trade Name] *Trade Name Chemical - Components: 5-15% Sodium Hypochlorite (Active Chlorine) [CAS: 7681-52-9]*		
Undiluted	*Breakthrough Time:- >480 Mins [Fabric]; >480 Mins [Seam]*	*Class 6 [Fabric]; Class 6 [Seam] (EN 14605)*
Topax 36 [Ecolab Ltd.] [Trade Name] *Trade Name Chemical - Components: 5-15% Potassium Hydroxide [CAS: 1310-58-3] / >30% Sodium Hydroxide [CAS: 1310-73-2] / <5% Alkyl Polyglucoside [Polymer]*		
Undiluted	*Breakthrough Time:- >480 Mins [Fabric]; >480 Mins [Seam]*	*Class 6 [Fabric]; Class 6 [Seam] (EN 14605)*
Topax 63 [Ecolab Ltd.] [Trade Name] *Trade Name Chemical - Components: 5-15% Sodium Hydroxide [CAS: 1310-73-2] / <5% Sodium Hypochlorite (Active Chlorine) [CAS: 7681-52-9] / Alkyl Amine Oxide [CAS: 3332-27-2]*		
Undiluted	*Breakthrough Time:- >480 Mins [Fabric]; >480 Mins [Seam]*	*Class 6 [Fabric]; Class 6 [Seam] (EN 14605)*
Topmaxx 421 [Ecolab Ltd.] [Trade Name] *Trade Name Chemical - Components: 5-15% Sodium Hydroxide [CAS: 1310-73-2] / <5% 2-(2-Butoxyethoxy)ethanol [CAS: 112-34-5] / <5% Alkyl Diamine Carboylate [CAS: 97659-50-2]*		
Undiluted	*Breakthrough Time:- >480 Mins [Fabric]; >480 Mins [Seam]*	*Class 6 [Fabric]; Class 6 [Seam] (EN 14605)*
Triquart QD [Ecolab Ltd.] [Trade Name] *Trade Name Chemical - Components: <5% Quaternary Ammonium Compound [CAS: 61789-71-7] / 5-15% Propan-2-ol [CAS: 67-63-0]*		
Undiluted	*Breakthrough Time:- >480 Mins [Fabric]; >480 Mins [Seam]*	*Class 6 [Fabric]; Class 6 [Seam] (EN 14605)*
CAS No.:- 1310-73-2 EC No.:- 215-185-5 EU Index No.:- 011-002-00-6		
Caustic Soda *Sodium Hydroxide* *Sodium Hydroxide Solution* *NaOH* *NaOH Solution* *Sodium Meta*		
50 wt%	*Breakthrough Time:- >480 Mins [Fabric]; >480 Mins [Seam]*	*Class 6 [Fabric]; Class 6 [Seam] (EN 14605)*
Sodium Hydroxide *Sodium Hydroxide Solution* *Caustic Soda* *NaOH* *NaOH Solution* *Sodium Meta*		
50 wt%	*Breakthrough Time:- >480 Mins [Fabric]; >480 Mins [Seam]*	*Class 6 [Fabric]; Class 6 [Seam] (EN 14605)*
Sodium Hydroxide Solution *Sodium Hydroxide* *Caustic Soda* *NaOH* *NaOH Solution* *Sodium Meta*		
50 wt%	*Breakthrough Time:- >480 Mins [Fabric]; >480 Mins [Seam]*	*Class 6 [Fabric]; Class 6 [Seam] (EN 14605)*

Chemical Resistance Ratings :- Chemsol HG

15-Mar-18

Chemical Comments Alternate Name(s) Concencentration	Test Results (Breakthrough Time)	Rating
CAS No.:- 7647-01-0	**EC No.:- 231-595-7**	**EU Index No.:- 017-002-01-X**
Hydrochloric Acid		
	Hydrogen Chloride [Liquid]	*HCl [Liquid]*
	Brick Cleaner	
36 wt%	*Breakthrough Time:- >480 Mins [Fabric]; >480 Mins [Seam]*	*Class 6 [Fabric]; Class 6 [Seam] (EN 14605)*
37%	*Breakthrough Time:- >480 Mins [Fabric]; >480 Mins [Seam]*	*Class 6 [Fabric]; Class 6 [Seam] (EN 14605)*
Hydrogen Chloride [Liquid]		
	Hydrochloric Acid	*HCl [Liquid]*
	Brick Cleaner	
36 wt%	*Breakthrough Time:- >480 Mins [Fabric]; >480 Mins [Seam]*	*Class 6 [Fabric]; Class 6 [Seam] (EN 14605)*
CAS No.:- 7664-93-9	**EC No.:- 231-639-5**	**EU Index No.:- 016-020-00-8**
Sulphuric Acid		
	Sulfuric Acid	*Lead Battery Acid [Diluted Sulphuric Acid]*
95-98 wt%	*Breakthrough Time:- 25 Mins [Fabric]; 18 Mins [Seam]*	*Class 1 [Fabric]; Class 1 [Seam] (EN 14605)*
CAS No.:- 7681-52-9	**EC No.:- 231-668-3**	**EU Index No.:- 017-011-00-1**
Sodium Hypochlorite		
	Sodium Hypochlorite Solution	
14% avail. Cl	*Breakthrough Time:- >480 Mins [Fabric]; >480 Mins [Seam]*	*Class 6 [Fabric]; Class 6 [Seam] (EN 14605)*
Sodium Hypochlorite Solution		
	Sodium Hypochlorite	
14% avail. Cl	*Breakthrough Time:- >480 Mins [Fabric]; >480 Mins [Seam]*	*Class 6 [Fabric]; Class 6 [Seam] (EN 14605)*

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Entries For Chemsol HG (16 Resistance Ratings)