



## 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 Resistance Ratings :- Chemsol HG

15-Mar-18

Chemical	Comments	Alternate Name(s)	Concentration	Test Results (Breakthrough Time)	Rating
<u>CAS No.:-</u>	<u>EC No.:-</u>	<u>EU Index No.:-</u>			
<b>Fish Oil [Menhaden] [Chemical Product]</b>					
	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)
<b>Horolith V [Ecolab Ltd.] [Trade Name]</b>					
	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)
<b>Hypochloran RS [Ecolab Ltd.] [Trade Name]</b>					
	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)
<b>Topax 36 [Ecolab Ltd.] [Trade Name]</b>					
	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)
<b>Topax 63 [Ecolab Ltd.] [Trade Name]</b>					
	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)
<b>Topmaxx 421 [Ecolab Ltd.] [Trade Name]</b>					
	Trade Name Chemical - Components: 5-15% Sodium Hydroxide [CAS: 1310-73-2] / <5% 2-(2-Butoxyethoxy)ethanol [CAS: 112-34-5] / <5% Alkyl Diamine Carboxylate [CAS: 97659-50-2]				
Undiluted				Breakthrough Time:- >480 Mins [Fabric]; >480 Mins [Seam]	Class 6 [Fabric]; Class 6 [Seam] (EN 14605)
<b>Triquart QD [Ecolab Ltd.] [Trade Name]</b>					
	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)
<u>CAS No.:-</u>	<u>1310-73-2</u>	<u>EC No.:-</u>	<u>215-185-5</u>	<u>EU Index No.:-</u>	<u>011-002-00-6</u>
<b>Caustic Soda</b>					
	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)
<b>Sodium Hydroxide</b>					
	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)
<b>Sodium Hydroxide Solution</b>					
	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)

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15-Mar-18

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

**For further information please contact Sales Department:-**

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*Entries For Chemsol HG (16 Resistance Ratings)*