

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### Validity of this list

This resistance list supersedes all earlier issues. The information provided in this resistance list is to the best of our knowledge correct and given in good faith. It is not intended to be exhaustive and the list of cargoes is subject to change without notice. The data is liable to modification, based upon experience and our policy of continued product development. The advice provided, as guidance only, is based upon user reports and laboratory testing that are believed to be reliable.

As many cargoes can be variable in composition and we have no control over the use of our products in service conditions, we accept no responsibility for the performance of the product or any loss or damage whatsoever, arising out of such use.

### Substrate and curing

The first coat of the system must be applied directly to the steel substrate which has been blasted in-situ to a minimum of ISO-SA 2½ freed from rust, scale, water soluble salts and other foreign matter. Application of the systems must be carried out in accordance with the respective product data and system sheets. After application of the full system has been completed, the system has to be cured under specified conditions for at least the minimum period indicated in system and product data sheets.

Exposure of the coating to an aggressive cargo before the coating has obtained full cure, may permanently affect the resistance properties of the system.

This list is not valid when shop primers are present under the coating system. Shop primers must be completely removed.

### Notation

Ref. note : refers to note in table 1

Max. temp.: refers to maximum temperature allowed for the specific cargo



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**Table 1: Reference notes**

Note	Description																											
1	<p>Certain products, such as esters (acetates, phthalates, etc) and chlorinated or brominated materials, can react with water and form acidic compounds.</p> <p>These products are suitable for storage in coated tanks when dry. Such products must have a maximum water content of 0.02 % (200 ppm), be free from acids and stored in completely dry tanks. Subsequent water contamination must be avoided. Water washing of the tank is only acceptable after full recovery of the coating and should be avoided wherever possible.</p>																											
2	<p>These products may cause some discoloration of the coating. These products are variable in composition, depending on source, and consequently the effects on the coating can also differ. Subsequent cleaning of the tanks may be difficult so that contamination of the subsequent products may occur.</p>																											
3	<p>Vegetable and animal oil, fats, greases and waxes are esters of polyols with fatty acids and nearly always contain free fatty acid. If in contact with water at higher temperatures these esters can saponify, resulting in increased free fatty acid content. Free fatty acids, especially the short chain types, can be very aggressive to tank coatings. Thus, during loading, storage and discharge the acid values should not exceed the maximum values indicated in the table.</p> <table border="1"> <thead> <tr> <th>Coating System</th> <th>Maximum Acid Value (acc.to ISO 660 (1996))</th> <th>Approximate Percentage Free Fatty Acid</th> </tr> </thead> <tbody> <tr> <td>PPG SIGMAGUARD 720</td> <td>20</td> <td>6-10 %</td> </tr> <tr> <td>PPG SIGMAGUARD 730</td> <td>20</td> <td>6-10 %</td> </tr> <tr> <td>PPG SIGMAGUARD 750</td> <td>5</td> <td>1.5-2.5%</td> </tr> <tr> <td>PPG SIGMAGUARD 790*</td> <td>No limit</td> <td>Up to 100%</td> </tr> <tr> <td>PPG SIGMAGUARD CSF650</td> <td>10</td> <td>6-10 %</td> </tr> <tr> <td>PPG NOVAGUARD 840</td> <td>100</td> <td>30-50%</td> </tr> <tr> <td>PPG NOVAGUARD 890</td> <td>100</td> <td>30-50%</td> </tr> <tr> <td>PPG PHENGUARD 930 / 935 / 940</td> <td>No limit</td> <td>Up to 100%</td> </tr> </tbody> </table> <p>* This product is not available for sale anymore and it is only on this table for reference of earlier coated surfaces</p> <p>This acid value according to ISO 660 (1996) is the only accepted method to determine a cargo's suitability for storage. The free fatty acid percentages given are a guide as the acid value is dependant on the molecular weight of the Fatty Acid(s). The fatty acids (including fatty acid distillates and acid oils) accepted in this list can be stored provided they comply with the following criteria:</p> <ul style="list-style-type: none"> <li>- The water content must be limited to 1.0 percent maximum;</li> <li>- No free mineral acid content is permitted.</li> </ul>	Coating System	Maximum Acid Value (acc.to ISO 660 (1996))	Approximate Percentage Free Fatty Acid	PPG SIGMAGUARD 720	20	6-10 %	PPG SIGMAGUARD 730	20	6-10 %	PPG SIGMAGUARD 750	5	1.5-2.5%	PPG SIGMAGUARD 790*	No limit	Up to 100%	PPG SIGMAGUARD CSF650	10	6-10 %	PPG NOVAGUARD 840	100	30-50%	PPG NOVAGUARD 890	100	30-50%	PPG PHENGUARD 930 / 935 / 940	No limit	Up to 100%
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4	<p>The aggressive products can only be stored when the coating is post cured or hot cured. A post cure can be obtained by:</p> <ul style="list-style-type: none"> <li>- A storage period of 3 months with non-aggressive products (without notes 4, 7, 8, or 11) or empty storage tank;</li> <li>- For insulated tanks full cure will also be obtained after storage of a hot product such as lubricating oil at temperatures of 60 °C (140 °F) for 5 days, or 50 °C (122 °F) for 10 days;</li> <li>- For non-insulated tanks and outside air temperatures below 15 °C (59 °F), the product temperature should be raised to 80-90 °C (176-194 °F). This can also be achieved by storage of lube oils or mineral oils.</li> </ul> <p>For storage of methanol and vinyl acetate monomer (VAM) in PhenGuard coated storage tanks, a hot cure is required and cannot be substituted by a storage period of 3 months with non-aggressive products. For a hot cure it must be ensured that the entire coated surface has attained the minimum specified temperature and time requirements.</p> <p>After storage of note 4 marked products, the coating has to be restored to its original condition. This will be obtained by ventilating the tank thoroughly until the tank is gas-free, followed by storage of non-aggressive products (without notes 4,7,8 or 11) for a period of at least 10 days.</p>																											
5	<p>Products in this class are proprietary materials and can be stored, provided that the pH is within the range 5.5 to 9.</p>																											

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6	The tank coating is resistant to the cargo as specified. However the stability of the cargo may be adversely affected and therefore carriage of this cargo should not exceed 90 days. Prior to loading of this product, the tank should be suitably cleaned and the level of inhibitor present in the cargo should be checked to ensure compliance with the requirements of the cargo.																																																																		
8	Storage of this product should not exceed 90 days and therefore storage for longer periods is not possible. Before another product which notes 4, 7, 8 or 11 is stored; the coating has to be restored to its original condition. This will be obtained by ventilating the tank thoroughly until the tank is in a gas-free condition, by storage of non-aggressive products (without note 4, 7, 8, and 11) for a period of at least 10 days.																																																																		
9	Lubricating oil, excluding chlorinated, brominated, phosphated and ester types may be stored at temperatures up to 70 °C (158 °F) or 80 °C (176 °F) for loading or discharge only. It is necessary to establish that lubricating oils are not among the product types listed as exclusions.																																																																		
10	Molasses can be stored when the pH of the product is between 4 and 11. After tank cleaning diluted solutions of molasses should be removed within 24 hours or, when acidic, should be neutralized by an alkaline tank cleaning product to a pH between 5 and 9.																																																																		
14	Crude oils and other crude derivative products can normally be stored in SIGMAGUARD 750 coated tanks. However, some crude oils/ derivative products contain acids and are thus aggressive to zinc silicates, especially when heated and in the presence of water. Cargoes with a neutralisation number above 0.4 (ASTM D664) are not permitted. The pH of water present in these crude products should not be outside the range of 5.5 to 9.																																																																		
16	This is a generic name. Most of these products can be stored but it should be established that no notes are included under the specific type name of such a product elsewhere in the list																																																																		
21	<p>Automotive gasolines can vary widely in composition. Addition of considerable amounts of aromatic and/or oxygenated solvents are common. When these cargoes have to be transported the tank coating should be fully cured.</p> <p>Limits for oxygenated solvents (in volume) as set out in European Directive 2003/17/EC.</p> <table border="1"> <thead> <tr> <th rowspan="2">Parameter</th> <th rowspan="2">Unit</th> <th colspan="2">Limits</th> </tr> <tr> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>Hydrocarbon</td> <td></td> <td></td> <td>6-10 %</td> </tr> <tr> <td>- Olefins</td> <td>% v/v</td> <td>-</td> <td></td> </tr> <tr> <td>- Aromatics</td> <td></td> <td>-</td> <td></td> </tr> <tr> <td>- Benzene</td> <td></td> <td>-</td> <td></td> </tr> <tr> <td>Oxygen content</td> <td>% m/m</td> <td>-</td> <td>2,7</td> </tr> <tr> <td>Oxygenates:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>- Methanol, stabilising agents must be added</td> <td>% v/v</td> <td>-</td> <td>3</td> </tr> <tr> <td>- Ethanol, stabilising agents may be necessary</td> <td>% v/v</td> <td>-</td> <td>5</td> </tr> <tr> <td>- Iso-propyl alcohol</td> <td>% v/v</td> <td>-</td> <td>10</td> </tr> <tr> <td>- Tert-butyl alcohol</td> <td>% v/v</td> <td>-</td> <td>7</td> </tr> <tr> <td>- Iso-butyl alcohol</td> <td>% v/v</td> <td>-</td> <td>10</td> </tr> <tr> <td>- Ethers containing 5 or more carbon atoms per molecule</td> <td>% v/v</td> <td>-</td> <td>15</td> </tr> <tr> <td>Other oxygenates (2)</td> <td>% v/v</td> <td>-</td> <td>10</td> </tr> <tr> <td>Sulphur content</td> <td>mg/kg</td> <td>-</td> <td>150</td> </tr> <tr> <td>Lead content</td> <td>g/l</td> <td>-</td> <td>0,005</td> </tr> </tbody> </table> <p>Notes:</p> <p>(1) Except for unleaded petrol regular (minimum motor octane number (MON) of 81 and a minimum research octane number (RON) of 91) for which the maximum olefin content shall be 21% v/v. These limits shall not preclude the introduction on to the market of a Member State of another unleaded petrol with lower octane numbers than set out in this Annex.</p> <p>(2) Other mono-alcohols with a final distillation point no higher than the final distillation point laid down in national specifications or, where these do not exist, in industrial specifications for motor fuels.</p> <p>Blending of automotive gasolines with above mentioned additives in the tank are not acceptable.</p> <p>For products added but not mentioned in this note, PPG PMC must be contacted before storage of these cargoes.</p>	Parameter	Unit	Limits		Minimum	Maximum	Hydrocarbon			6-10 %	- Olefins	% v/v	-		- Aromatics		-		- Benzene		-		Oxygen content	% m/m	-	2,7	Oxygenates:				- Methanol, stabilising agents must be added	% v/v	-	3	- Ethanol, stabilising agents may be necessary	% v/v	-	5	- Iso-propyl alcohol	% v/v	-	10	- Tert-butyl alcohol	% v/v	-	7	- Iso-butyl alcohol	% v/v	-	10	- Ethers containing 5 or more carbon atoms per molecule	% v/v	-	15	Other oxygenates (2)	% v/v	-	10	Sulphur content	mg/kg	-	150	Lead content	g/l	-	0,005
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If in doubt, refer to PPG Technical Service



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Chemical Environment	Ref. Note	Max. Temp.
A,A,A-TRIMETHYL TRIMETHYLENE GLYCOL		
ACAJOUNUT OIL	3	60
ACETATE C-8	1	
ACETATE CYCLOHEXANOL	1	
ACETATE OF ADRONAL	1	
ACETATE OF HEXALINE	1	
ACETENE		
ACETIC ACID 1-METHYLPROPYL ESTER	1.4	
ACETIC ACID 2-METHYLPROPYLESTER	1.4	
ACETIC ACID AMYL ESTER	1	
ACETIC ACID BUTYL ESTER	1.4	
ACETIC ACID ISOBUTYLESTER	1.4	
ACETIC ACID ISOPENTYL ESTER	1	
ACETIC ACID PENTYL ESTER	1	
ACETIC ACID SEC-BUTYL ESTER	1.4	
ACETONITRILE	1.4	
ACETYLENE GAS		
ACRYLIC LATEX	5	
ADIPIC ACID DI(2-ETHYLHEXYL) ESTER		
ADIPIC ACID DIDECYL ESTER		
ADIPIC ACID DIETHYL ESTER		
ADIPIC ACID DIISONONYL ESTER		
ADIPIC ACID DIMETHYL ESTER		
ADIPIC ACID DINITRILE	1.4	
ADIPIC ACID OCTYLDECYL ESTER		40
ADIPONITRILE	1.4	
ADIPYL DINITRILE	1.4	
AEROSIL		
AGRICULTURAL KEROSENE		
AIR FIXED GAS		
AIRCRAFT GASOLINE		
AIRTURBO FUEL		
ALCOHOL (C12-C15) POLY (1-6) ETHOXYLATES		
ALCOHOL (C12-C15) POLY (20+) ETHOXYLATES		
ALCOHOL (C12-C15) POLY(7-19) ETHOXYLATES		
ALCOHOL C-10		

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Chemical Environment	Ref. Note	Max. Temp.
ALCOHOL C-11		
ALCOHOL C-12		
ALCOHOL C-16		
ALCOHOL C-7		
ALCOHOL C-9		
ALCOHOL C7,C8,C9 INDV & MIXTURE		
ALCOHOL, BUTYL-		
ALCOHOL, C-12		
ALCOHOL, C-6		
ALCOHOL, NONYL-		
ALCOHOL, PENTYL-		
ALCOHOL(C12-C15)POLY(1-3)ETHOXYLATES		
ALCOHOL(C12-C15)POLY(3-11)ETHOXYLATES		
ALCOHOL(C6-C17)(SEC)POLY(3-6)ETHOXYLATES		
ALCOHOL(C6-C17)(SEC)POLY(7-12)ETHOXYLATE		
ALCOHOLS (C13 AND ABOVE)		
ALCOHOLS C10,C11,C12 INDV & MIXT		
ALCOHOLS C4-C6 MIXTURE		
ALCOHOLS C4,C6,C8 MIXTURES		
ALCOHOLS C5,C6 INDIVIDUAL ALCOHOLS		
ALIPHATIC ESTERS	16	
ALIPHATIC HYDROCARBONS	16	
ALIZARIN OIL	3	
ALKALI SOYBEAN OIL (SEE SOYBEAN OIL, REF	3	50
ALKANES	16	
ALKANES (C10+), N		
ALKANES (C6-C9)		
ALKANOL B & BG (SODIUM ALKYL NAPHTHALENE		
ALKANOL S (TETRAHYDRONAPHTHALENE SODIUM		
ALKARYL POLYETHERS (C9-C20)		
ALKENES	16	
ALKYL (C3-C4) BENZENES		
ALKYL (C5-C8) BENZENES		
ALKYL (C7-C9) NITRATES		
ALKYL (C9-C17) BENZENES		
ALKYL (C9+) BENZENES		

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Chemical Environment	Ref. Note	Max. Temp.
ALKYL BENZENE		
ALKYL BENZENE SULPHONIC ACID SODIUM SALT		
ALKYL DITHIOTHIAZOLE(C6-C24)		
ALKYL ESTER COPOLYMER(C6-C18)		
ALKYL PHENOL SULPHIDE (C8-C40)		
ALKYL PHOSPHATE		
ALKYL PHTHALATE	16	
ALKYL(BENZENE/LINDANE/LINDENE - C12-C17)		
ALKYLATE	16	
ALKYLATE (GASOLINE BLENDING STOCK)		
ALKYLATE BOTTOM (DODECYLBENZENE)		
ALKYLATE DETERGENT	16	
ALKYLATES		
ALKYLATES-FUEL		
ALKYLBENZENE	16	
ALKYLBENZENE SULPHONATE		
ALKYLBENZOL		
ALKYLDITHIOTHIAZOLE (C6-C24)		
ALKYLESTER COPOLYMER (C6-C18)		
ALLYL ISOTHIOCYANATE, INHIBITED		60
ALLYL ISOTHIOCYANATE,STABILIZED		60
ALLYL MUSTARD OIL		60
ALMOND OIL (BITTER)		
ALMOND OIL (EXPRESSED)	3	
ALMOND OIL (SWEET)	3	
ALPHA HYDROCARBONS		
ALPHA HYDROXYPROPIONIC ACID 10 AND 20%		
ALPHA HYDROXYPROPIONIC ACID 5%		
ALPHA OLEFINS		
ALPHA PINENE		
ALPHA-DIISOBUTYLENE		
ALPHA-OLEFINS (C6-C8 )MIXTURES		
ALUM 15% SOLN		
ALUM POTASH		
ALUM POTASH 20%		
ALUM SOLUTION 15%		

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### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
ALUM SOLUTION 35%		
ALUMINIUM CHLORIDE 10%		
ALUMINIUM CHLORIDE 30%		
ALUMINIUM HYDROXIDE DRY		
ALUMINIUM NITRATE 80%		
ALUMINIUM OXIDE		
ALUMINIUM SULPHATE 10%		
ALUMINIUM SULPHATE 30%		
ALUMINIUM SULPHATE SOLN	16	
ALUMINIUM SULPHATE SOLN (25% OR MORE)		
ALUMINIUM TRICHLORIDE	16	
ALUMINIUM TRINITRATE 80%		
ALUMINIUM(1,1,1)NITRATE(1:3) 80%		
ALUMINUM HYDROXIDE		
AMINOCAPROIC LACTAM		
AMINOCAPROIC LACTAM 50%		
AMINOCAPROLACTAM		
AMMONIUM SULPHOHYDRATE 45%		
AMMONIA FERTILIZER SOLUTIONS	16	
AMMONIA FORMALDEHYDE (70% IN WATER)		
AMMONIA LIGNO SULPHONATE		40
AMMONIUM BASE LIGNOSULPHONATE		40
AMMONIUM BISULPHIDE 45%		
AMMONIUM CARBONATE 50%		
AMMONIUM HYDROGEN PHOSPHATE	2	
AMMONIUM HYDROGEN PHOSPHATE (20%) SOLN	2	60
AMMONIUM HYDROGEN PHOSPHATE SOLN	16	
AMMONIUM LIGNOSULPHONATE		40
AMMONIUM NITRATE 10%		
AMMONIUM NITRATE 30%		
AMMONIUM NITRATE 50%		
AMMONIUM NITRATE SATURATED SOLUTION		
AMMONIUM NITRATE SOLN (93% OR LESS)		
AMMONIUM NITRATE/UREA/WATER		
AMMONIUM PHOSPHATE 40%		
AMMONIUM POLYPHOSPHATE SOLN	16	

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### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
AMMONIUM SULPHATE		
AMMONIUM SULPHATE 50%		
AMMONIUM SULPHATE SOLUTION	16	
AMMONIUM SULPHIDE SOLN (45% OR LESS)		
AMMONIUM THIOCYANATE/THIOSULPHATE 25%/20%		
AMMONIUM THIOSULPHATE SOLN (60% OR LESS)	2	
AMYL ACETATE (ALL ISOMERS)	1	
AMYL ACETATE, COMMERCIAL	1	
AMYL ACETATE, N-	1	
AMYL ACETATE, SEC-	1	
AMYL ALCOHOL		
AMYL ALCOHOL, MIXTURES	3	60
AMYL ALCOHOL, N-		
AMYL ALCOHOL, PRIMARY		
AMYL ALCOHOL, SEC		
AMYL ALCOHOL,TERT-		
AMYL CARBINOL		
AMYL HYDRATE		
AMYL HYDRIDE		
AMYLENE		
AMYLENE DIMER		
AMYLENE-N		
AMYLENES,TERT-		
AMYLENHYDRATE		
AMYLUM 10%		
AMYLUM SOL.		
ANCHOVY OIL	3	
ANIMAL ACID OIL	16	
ANIMAL AND FISH ACID OILS AND DIST NOS	16	
ANIMAL AND FISH OILS,NOT OTHERWISE SPEC	3.16	
ANIMAL FAT	3.16	
ANIMAL GREASE	3.16	
ANIMAL OILS	3.16	
ANTI FR.GLYCOL BASED 2.5% SODIUM TETRABO		
ANTI FR.GLYCOL BASED 3.7% DIETHYLENE GLY		
ANTI FR.GLYCOL BASED 3% SODIUM METASILIC		



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Chemical Environment	Ref. Note	Max. Temp.
ANTI FR.GLYCOL BASED 93.0% ETHYLENE GLYC		
ANTI-FREEZE (GLYCOL BASED)	16	
ANTI-KNOCK COMPOUNDS	16	
ANTIFREEZE (ALCOHOL CONTAINING)		
APPLE CONCENTRATE	8	
APPLE JUICE	8	
APPLE JUICE CONCENTRATED	8	
ARACHIS OIL	3	60
AROMATIC CONCENTRATE (CARBON BLACK/FEED		
AROMATIC HYDROCARBONS	16	
AROMATIC NAPHTHA		
AROMATIC OIL (EXCLUDING VEGETABLE OIL)		
AROMATIC OILS (EXTENDER OILS)		
AROMATIC PETROLEUM SOLVENTS	16	
AROMATIC RESIDUE (CARBON BLACK FEED STOC		
AROMATIC SOLVENT		
ARYL POLYOLEFIN (C11-C50)		
ASPHALT	2	
ASPHALT EMULSIONS	2	
ASPHALT SOLUTIONS	2.16	
ASYMETRICAL-DIMETHYL ETHYLENE		
AUTOMOTIVE DIESEL OIL		
AUTOMOTIVE WHITE SPIRITS		
AVIATION ALKYLATES(C8 PARAFFINS+ISOPARA		
AVIATION FUEL		
AVIATION FUEL 100/130 OCTANE		
AVIATION FUEL 115/145 OCTANE		
AVIATION FUEL 96/90 OCTANE		
AVIATION GAS		
AVIATION GASOLINE 73/145 OCTANE		
AVIATION KEROSENE		
AVIATION SPIRIT		
AVIATION TURBINE GASOLINE		
AVIATION TURBINE KEROSENE (ATK)		
AVIATION TURBINE KEROSENE VPL		
AVIATION TURBO GAS A.T.G.		

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Chemical Environment	Ref. Note	Max. Temp.
AVTUR JET FUEL		
B-DIISOBUTYLENE		
B-ISO-AMYLENE		
BANANA OIL	1	
BANANA PALM SPRAY OIL	1	
BARIUM LONG CHAIN ALKARYL SULPH(C11-C50)		
BASE OIL, ANIMAL	3	60
BASE OIL, PETROLEUM		
BASE OIL, VEGETABLE	3	60
BASE OIL, WHITE (PETROLATUM LIQUID)		
BEECH NUT OIL	3	60
BEECHNUT OIL	3	60
BEET MOLASSES	10	50
BENNE OIL	3	60
BENZENE		
BENZENE (CRUDE)		
BENZENE AND MIXTURES 10% OR MORE BENZENE		
BENZENE CHLORIDE	1.4	
BENZENE FOR NITRATION		
BENZENE INDUSTRIAL		
BENZENE TRICARBOXYLIC ACID, TRIOCTYL EST		
BENZENE, 1-METHYLETHYL-		
BENZENE, DODECYL-		
BENZENE, 1-ISOPROPYL-4-METHYL-		
BENZENE, PROPENYL-	4.8	
BENZENE, TRIETHYL-		
BENZENE, VINYL-	6.8	
BENZENETETRAHYDRIDE		
BENZIN		
BENZINUM PURIFICATUM	16	
BENZOFURAN OIL		
BENZOLENE	16	
BENZOLINE	16	
BETA PINENE		
BETA-BUTENE		
BETA-BUTYLENE		

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BETA-BUTYLENE GLYCOL		
BETA-DIISOBUTYLENE		
BETA-METHYL NAPHTHALENE		
BETA-METHYLBIVINYLYL		
BETA-METHYLSTYRENE	4.8	
BETA-PHENYLPROPYLENE	4.8	
BETA,BETA-DIHYDROXYDI-N-PROPYLEETHER		
BIBENZENE		
BIFORMYL 40% (WATER)		
BIODIESEL B100	3	
BIODIESEL B2	3	
BIODIESEL B20	3	
BIODIESEL B5	3	
BIPHENYL		
BIS (2-HYDROXYETHYL) ETHER		
BIS (4-ISOCYANATOPHENYL) METHANE		
BISCYCLOPENTADIENE		
BITUMEN	2	
BITUMINOUS BLACK VARNISH	2	
BLACK OILS	2	60
BLACK VARNISH	2	
BLOWN OILS	3	60
BLUBBER OIL	3	60
BODY OIL	3	
BORACIC ACID 10%		
BORAX		
BORAX DECAHYDRATE		
BORIC ACID		
BORIC ACID 10%		
BORIC ACID IN WATER		
BRAKE FLUID (GLYCOL BASE)		
BRAKE FLUID BASE MIX POLY (2-8) ALKYLENE		
BRIGHT STOCK		
BRIGHT STOCK OIL (SLACK WAX)		
BRINE		
BUBULUM OIL	3	

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
BUNKER C		70
BUNKER FUEL		70
BUNKER FUEL OIL		70
BUNKER OIL		70
BURNING OIL		
BURNT LIME		
BUTADIENE POLYMERS		
BUTADIENE,1,3-		
BUTAN-2-OL		
BUTANE		
BUTANE DINITRILE	1.4	
BUTANE/PROPANE MIXTURES		
BUTANEDIOL,1,3-		
BUTANEDIOL,1,4,-		
BUTANEDIOL,2,3-		
BUTANOL NORMAL		
BUTANOL,1-		
BUTANOL,2-		
BUTENE		
BUTENE DIMER		
BUTENE OLIGOMER		
BUTENE,2-		
BUTOXY ESTER ACETIC ACID,2-	1.4	
BUTYL ACETATE (ALL ISOMERS)	1.4	
BUTYL ACETATE,2-	1.4	
BUTYL ACETATE,N-	1.4	
BUTYL ACETATE,SEC	1.4	
BUTYL ALCOHOL,2-		
BUTYL ALCOHOL,N-		
BUTYL ALCOHOL,SEC		
BUTYL ALCOHOL,TERT-		
BUTYL BENZYL PHTHALATE		
BUTYL BUTANOATE	1	
BUTYL BUTYRATE, (ALL ISOMERS)	1	
BUTYL CARBINOL		
BUTYL CYCLOHEXYL PHTHALATE		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
BUTYL DECYL PHTHALATE		
BUTYL ETHANOATE	1.4	
BUTYL ETHANOATE,N-	1.4	
BUTYL ETHYLENE		
BUTYL GLYCOL ETHER (BGE)		
BUTYL HEPTYL KETONE	4	
BUTYL HEXYL PHTHALATE		
BUTYL HYDRIDE		
BUTYL ISODECYL PHTHALATE		
BUTYL LACTATE		
BUTYL MALEATE		
BUTYL OCTADECANOATE		60
BUTYL OCTYL PHTHALATE		
BUTYL STEARATE		60
BUTYLATED U/F RESIN		
BUTYLBENZENE,-TERT		
BUTYLBENZENES		
BUTYLBENZENES (ALL ISOMERS)		
BUTYLENE		
BUTYLENE GLYCOL		
BUTYLENE GLYCOL,1,2-		
BUTYLENE GLYCOL,1,3-		
BUTYLENE GLYCOL,1,4-		
BUTYLENE GLYCOL,2,3-		
BUTYLENE HYDRATE		
BUTYLENE POLY GLYCOL		
BUTYLENE,POLY-		
BUTYRIC ACID BUTYL ESTER	1	
BUTYRIC ALCOHOL,NORMAL		
BUTYRONE		
CACAO BUTTER	3	60
CACAO OIL	3	60
CACAONUT OIL	3	60
CAJEPUT OIL		
CAJEPUTENE		
CALCIUM ALKYL PHENATE (C8-C40)		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
CALCIUM ALKYL PHENATE SULPHIDE (C8-C40)		
CALCIUM ALKYL SALICYLATE		
CALCIUM ALKYL SALICYLATE (C13+)		
CALCIUM AMMONIUM NITRATE SOLN	16	
CALCIUM BROMIDE / ZINC BROMIDE MIXT SOLN		
CALCIUM BROMIDE 58%		
CALCIUM BROMIDE SOLN (DRILLING BRINE)	16	
CALCIUM CARBONATE SLURRY		
CALCIUM CHLORIDE (SATURATED)		
CALCIUM CHLORIDE SOLN (DRILLING BRINE)	16	
CALCIUM HYDRATE	16	
CALCIUM HYDROXIDE	16	
CALCIUM HYDROXIDE 10%		
CALCIUM HYDROXIDE 30%		
CALCIUM HYDROXIDE 50%		
CALCIUM HYDROXIDE SLURRY		
CALCIUM HYDROXIDE SOLN		
CALCIUM L/C ALKARYL SULPHONATE (C11-C50)		
CALCIUM L/C ALKYLPHENATE SULPHIDE (C8-C40)		
CALCIUM LONG CHAIN ALKYL SALICYLATE(13+)		
CALCIUM NAPHTHENATE		60
CALCIUM NAPHTHENATE		60
CALCIUM NAPHTHENATE IN MINERAL OIL		
CALCIUM NITRATE SOLUTION		
CALCIUM OXIDE		
CALCIUM PETROLEUM SULPHONATE	5.16	
CALCIUM SULFATE SOLUTION		
CALCIUM SULPHATE SOLUTION		
CALCIUM/MAGN NITRATE/POTAS.CHLORIDE SOLN		
CAMPHOGEN		
CAMPHOR LUMINENT		
CAMPHOR OIL		
CAMPHOR OIL (DOT)		
CAMPHOR OIL, RECTIFIED		
CAMPHORATED OIL		
CANDELILLA OIL		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
CANDELILLA WAX		70
CANDLENUT OIL	3	60
CANOLA OIL	3	60
CAPRIC ALCOHOL		
CAPROLACTAM		
CAPROLACTAM 50%		
CAPROYL ALCOHOL		
CAPRYL ALCOHOL		
CAPRYLIC ALCOHOL		
CAPRYLYL ACETATE	1	
CAMEL SOLUTIONS		
CARBAMIDE 50% IN WATER		60
CARBAMIDE(SATURATED)		
CARBON BLACK FEED STOCK		
CARBON BLACK FEED STOCK(AROMATIC)		
CARBON DIOXIDE GAS		
CARBON ICE GAS		
CARBON OIL		
CARBONIC ACID 10%		
CARBONIC ACID GAS		
CARBONIC ANHYDRIDE GAS		
CARBOWAXES 200-6000		
CARBOXYLATED STYRENE-BUTADIENE POLYMER	16	
CARDURA E		
CARNATION OIL (PETROLATUM)		
CASHEW NUT OIL	3	
CASHEW NUT SHELL OIL	3	
CASHEW NUT SHELL OIL (UNTREATED)	3	
CASING HEAD	16	
CASING HEAD GASOLINE	16	
CASTOR BEAN OIL	3	60
CASTOR OIL	3	
CASTOR OIL, SOLUBLE	3	
CASTOR OIL, SULPHATED	3	
CAUSTIC LIME	16	
CAUSTIC POTASH 50%		60

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
CAUSTIC SODA 0-25%		
CAUSTIC SODA 30-49%		40
CAUSTIC SODA 50%		60
CEDRO OIL	1	
CELLUPHOS 4	1	
CEMENT		
CETYL ALCOHOL		
CETYL/STEARYL ALCOHOL		
CETYLIC ALCOHOL		
CHINA WOOD OIL	3	60
CHINESE BEAN OIL	3	50
CHINESE WOOD OIL	3	60
CHLORATE OF SODIUM 5%		
CHLORINATED PARAFFINS		
CHLORINATED PARAFFINS (C10-C13)		
CHLORINATED PARAFFINS(C14-C17)52%CHLORIN		
CHLORINE (NAOCL SOL MAX. 200 PPM)		
CHLOROBENZENE	1.4	
CHLOROBENZOL (DOT)	1.4	
CHLOROETHENE	1.4	
CHLOROETHYLENE	1.4	
CHOLINE CHLORIDE SOLN		
CINENE		
CINNAMENE	6.8	
CINNAMENOL	6.8	
CINNAMOL	6.8	
CIRCOSOL NAPHTHENIC OILS		
CIS-BUTENE-2		
CIS-BUTENE-2 "HIGH BOILING" BUTENE-2		
CITRIC ACID (70% OR LESS) SOLUTION	2	
CITRIC ACID 10%		
CITRIC ACID 25%		
CITRIC ACID 5%		
CITRIC JUICE	16	
CLAY SLURRY		
CLEANING OIL	16	



# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
COAL NAPHTHA		
COAL OIL	16	
COAL SLURRY		
COAL TAR	2.5	70
COBALT NAPHTHENATE		
COBALT NAPHTHENATE IN SOLVENT NAPHTHA		
COCO FATTY ALCOHOL		
COCO METHYL ESTER	3	
COCOA BUTTER	3	60
COCOA BUTTER OIL	3	60
COCOA NUT OIL, CRUDE	3	60
COCOA OIL	3	60
COCOANUT BUTTER OIL	3	60
COCONUT BUTTER	3	60
COCONUT OIL	3	60
COCONUT OIL ESTERIFIED	3	
COCONUT OIL FATTY ACID METHYL ESTER	3	
COCONUT OIL METHYL ESTER	3	
COCONUT PALM OIL	3	60
COCONUT PARINGS OIL	3	
COD LIVER OIL	3	
COD LIVER OIL DISTILLATE	3	
COJEPUT OIL		
COLOIDAL SILICA		
COLZA OIL	3	60
CONDENSED MOLASSES SOLUBLES	10	50
COPRA OIL (COCONUT OIL)	3	60
CORN ACID OIL	3	60
CORN OIL	3	60
COTTON SEED ACID OIL	3	60
COTTON SEED OIL	3	60
COTTONSEED OIL STEARINE	3	60
COUMARONE (SOLVENT INCL.RESIN)		
COUMARONE NAPHTHA SOLVENT		
COUMARONE OIL		
CROTON OIL	3	

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## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
CROTON RESIN	3	
CRUDE BENZENE		
CRUDE COKE OVEN TAR	2.5	
CRUDE CONDENSATE (NAPHTHA, PETROLEUM)		
CRUDE GLYCERINE		40
CRUDE HARD FRACTION PKO (PALM KERNEL OIL)	3	50
CRUDE HERRING OIL	3	
CRUDE NAPHTHA		
CRUDE NAPHTHA PETROLEUM		
CRUDE OIL	2	120
CRUDE OIL (HIGH AND LOW SULP.)	2	90
CRUDE OIL HIGH SULPHUR	2	90
CRUDE PETROLEUM	2	90
CUMARONE NAPHTHA SOLVENT		
CUMARONE OIL		
CUMENE		
CUMENE,PSEUDO-		
CUTTING OILS		
CYANOMETHANE	1.4	
CYCLODODECA-1,5,9-TRIENE		
CYCLODODECATRIENE,1,5,9-		
CYCLOHEPTANE		
CYCLOHEXANE		
CYCLOHEXANE, ISOPROPYL-		
CYCLOHEXANE/CYCLOHEXANOL MIXT		
CYCLOHEXANOL		
CYCLOHEXANYL ACETATE	1	
CYCLOHEXATRIENE		
CYCLOHEXENE		
CYCLOHEXYL ACETATE	1	
CYCLOHEXYL ALCOHOL		
CYCLOHEXYL ESTER ACETIC ACID	1	
CYCLOHEXYLMETHANE		
CYCLOPENTADIENE		
CYCLOPENTADIENE,DIMER,1,3-		
CYCLOPENTANE		

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## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
CYCLOPENTENE		
CYLINDER BRIGHT STOCK		
CYLINDER BRIGHT STOCK OIL		60
CYLINDER S.R.STOCK		
CYLINDER STEAM REFINED STOCK OIL		60
CYMENE,P-		
CYMOL		
D-LIMONENE		
D-SORBITE 70% SOLUTION		
D-SORBITOL		
D-SORBITOL 70% SOLUTION		
D.B.P.		
DBP		
DE-ICING FLUIDS (GLYCOL BASED)	16	
DECAHYDRONAPHTHALENE		
DECAHYDRONAPHTHALENE (CIS)		
DECALIN		
DECALIN (CIS)		
DECALIN (TRANS)		
DECANE		
DECANOL		
DECANOL,1-		
DECENE		
DECYL ALCOHOL (ALL ISOMERS)		
DECYL CARBINOL		
DECYL HYDRIDE		
DECYL PHTHALATE-(HEXYL-,OCTYL-)		
DECYL/OCTYL ALCOHOL		
DECYLBENZENE		
DECYLBENZENE,N-		
DECYLENE		
DEG		
DELTA-1,8-TERPIDIENE		
DEMINERALISED WATER		
DEP		
DETERGENT ALKYLATE	16	

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## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
DETERGENTS	16	
DEXTROSE SOLN		
DI-(2-ETHYLBUTYL) PHTHALATE		
DI-(2-ETHYLHEXYL) ADIPATE		
DI-(2-ETHYLHEXYL) PHOSPHORIC ACID		
DI-(2-ETHYLHEXYL)PHTHALATE		
DI-BETA-HYDROXYETHOXYETHANE		60
DIALKYL(C10-C14)BENZENE		
DIALKYL(C7-C13) PHTHALATES		
DIALKYL(C7-C9) PHTHALATES		
DIALKYL(C9-C13) PHTHALATES		
DIALLYL PHTHALATE (DAP)		
DIBUTYL CARBINOL		
DIBUTYL MALEATE		
DIBUTYL ORTHO PHTHALATE		
DIBUTYL PHTHALATE		
DIBUTYL SEBACATE		
DICYANOBUTANE,1,4-	1.4	
DICYCLOPENTADIENE		
DIDECYL ADIPATE		
DIDECYL SEBACATE		
DIESEL FUEL		
DIESEL FUEL OIL NO.1		
DIESEL FUEL OIL NO.2		
DIESEL FUEL OIL NO.4		
DIESEL OIL 1		
DIESEL OIL 2		
DIETHOXYETHYL PHTHALATE		
DIETHYL ADIPATE		
DIETHYL GLYCOL PHTHALATE		
DIETHYL MALEATE		
DIETHYL MALONATE		
DIETHYL PHTHALATE		
DIETHYL SUCCINATE		
DIETHYL SULPHATE		
DIETHYLBENZENE		

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## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
DIETHYLBENZENE,1,2-		
DIETHYLBENZENE,1,3-		
DIETHYLCARBINOL		
DIETHYLENE ALCOHOL		
DIETHYLENE GLYCOL		
DIETHYLENE GLYCOL PHTHALATE		
DIFORMYL 25% (WATER)		
DIFORMYL 40% (WATER)		
DIGALLIC ACID/TANNIC ACID		
DIGLYCIDYL ETHER OF BISPHENOL A		
DIGLYCIDYL ETHER OF BISPHENOL F		
DIGLYCOL		
DIGOL		
DIHEPTYL PHTHALATE		
DIHEXYL PHTHALATE		
DIHEXYL SEBACATE		
DIHYDROXY-2-METHYLPENTANE, 2,4-		
DIHYDROXYBUTANE,1,4-		
DIHYDROXYBUTANE,2,3-		
DIHYDROXYDIETHYL ETHER,2,2-		
DIHYDROXYETHANE		
DIHYDROXYISOPROPYL ETHER,2,2-		
DIHYDROXYPROPANE,1,2-		
DIISOBUTENE		
DIISOBUTYL CARBINOL		
DIISOBUTYL KETONE	4	
DIISOBUTYL PHTHALATE		
DIISOBUTYLENE		
DIISOCYANATEDIPHENYLMETHANE,4,4		
DIISONONYL ADIPATE		
DIISONONYL PHTHALATE (D.I.N.P.)		
DIISOCTYL PHTHALATE		
DIISOPROPYL NAPHTHALENE		
DIISOPROPYLACETONE	4	
DIISOPROPYLBENZENE (ALL ISOMERS)		
DIISOPROPYLBENZENE,1,2-		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
DIISOPROPYLBENZENE,1,3-		
DIISOPROPYLBENZENE,1,4-		
DIMER CYCLOPENTADIENE		
DIMETHYETHYLENE		
DIMETHYL ADIPATE		
DIMETHYL ETHYL CARBINOL		
DIMETHYL GLUTARATE		
DIMETHYL PHTHALATE		
DIMETHYL SEBACATE		
DIMETHYL SUCCINATE		
DIMETHYL-4-HEPTANOL,2,6-		
DIMETHYL-4-HEPTANONE,2,6-	4	
DIMETHYL-4-HEPTYLPHENOL, 2,6-		
DIMETHYL-HEPTAN-4-ONE,2,6-	4	
DIMETHYLBENZENE		
DIMETHYLBENZENE,1,3-		
DIMETHYLBENZENE,1,4-		
DIMETHYLBENZENE,1,2-		
DIMETHYLBUTYL ACETATE 1,3-	1	
DIMETHYLBUTYL ESTER ACETIC ACID	1	
DIMETHYLETHANOL,1,1-		
DIMETHYLETHYLENE		
DIMETHYLPENTANE		
DIMETHYLPENTANE,2,4-		
DIMETHYLPOLYSILOXANE		
DIMETHYLPROPANE-1,3-DIOL,2,2-		
DIMETHYLPROPANE, 2,2-		
DINONYL PHTHALATE		
DIOCTYL ADIPATE		
DIOCTYL PHTHALATE		
DIOLANE		
DIOP		
DIOXAOCANE-1,8-DIOL,3,6-		60
DIPENTENE		
DIPENTENE (DIMONENE)		
DIPHENYL		

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## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
DIPHENYL ETHER		60
DIPHENYL OXIDE (DIPHENYL ETHER)		60
DIPHENYLMETHANE DIISOCYANATE		
DIPHENYLMETHANE DIISOCYANATE,4,4-		
DIPROPYL KETONE (HEPTANONE)		
DIPROPYL METHANE		
DIPROPYLENE GLYCOL		
DIPROPYLENE GLYCOL DIBENZOATE		
DISTILLED WATER		50
DITRIDECYL ADIPATE		
DITRIDECYL PHTHALATE		
DIUNDECYL PHTHALATE		
DIVINYL		
DL LIMONENE		
DL-LIMONENE		
DL-P-MENTHA-1,8-DIENE		
DODECANE (ALL ISOMERS)		
DODECANOIC ACID METHYL ESTER		
DODECANOL		
DODECANOL,N-		
DODECYL ALCOHOL		
DODECYL ALCOHOL, N-		
DODECYLBENZENE		
DODECYLBENZENE,CRUDE		
DODECYLPHENOL		
DODECYLXYLENE		
DOGFISH OIL	3	60
DOLPHIN OIL	3	60
DOMESTIC FUEL OIL		
DOP		
DRILLING BRINE, (CONTAINING ZINC SALTS)		
DRILLING BRINES CALCIUM/SODIUM BR/CHL		
DRILLING OIL		
DRY CLEANING FLUID	16	
DRY ICE GAS		
EARTH OIL	2	70

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
EARTH PITCH	2	
EB		
ENANTHYL ALCOHOL		
ENGINE OIL		60
EPOXIDISED LINSEED OIL		
EPOXIDISED SOYA OILS		
EPOXY RESINS		90
EPSILON-CAPROLACTAM		
ERYTHRENE		
ESTERS	16	
ETHANE		
ETHANEDIAL 25% (WATER)		
ETHANEDIAL 40% (WATER)		
ETHANEDIOL,1,2-		
ETHANENITRILE	1.4	
ETHANOIC ACID 2-ETHYLHEXYL ESTER	3	60
ETHANOIC ACID AMYL ESTER	1	
ETHANOIC ACID BUTYL ESTER	1.4	
ETHANOIC ACID BUTYL ESTER (I,S,N)	1.4	
ETHANOIC ACID CYCLOHEXYL ESTER	1	
ETHANOIC ACID HEPTYL ESTER	1	
ETHANOIC ACID ISOPENTYL ESTER	1	
ETHANOIC ACID METHYLAMYLESTER	1	
ETHANOIC ACID N-OCTYL ESTER	1	
ETHANOIC ACID NONYL ESTER	1	
ETHANOIC ACID OCTYL ESTER	1	
ETHANOIC ACID PENTYL ESTER	1	
ETHANOIC ACID SEC-AMYL ESTER	1	
ETHANOIC ACID SEC-BUTYLESTER	1.4	
ETHANOL,2,2-OXYDI-		
ETHENE		
ETHERIN		
ETHINE		
ETHOXYLATED FATTY ALCOHOLS (C9-C11)		
ETHYL DIMETHYL METHANE		
ETHYL HYDRIDE		



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## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
ETHYL LACTATE		
ETHYL MALONATE		
ETHYL NITRILE	1.4	
ETHYL PHTHALATE	1	
ETHYL SULPHATE		
ETHYL TERTIARY BUTYL ETHER		
ETHYL-1-BUTANOL,2-		
ETHYL-1-HEXANOL,2-		
ETHYL-1-PENTENE,4-		
ETHYL-1-PROPANOL,1-		
ETHYL-2-METHYL-4-UNDECANOL,7-		
ETHYLBENZENE		
ETHYLBENZOL		
ETHYLBUTYL,2-ALCOHOL		
ETHYLCYCLOHEXANE		
ETHYLCYCLOHEXANOL		
ETHYLENE (ETHENE)		
ETHYLENE ALCOHOL		
ETHYLENE DIGLYCOL		
ETHYLENE DIHYDRATE		
ETHYLENE GLYCOL		
ETHYLENE GLYCOL DIHYDROXYDIETHYL ETHER		60
ETHYLENE GLYCOL DIPROPIONATE		
ETHYLENE GLYCOL MONOPROPYL ETHER		
ETHYLENE MONOCHLORIDE	1.4	
ETHYLENE POLYGLYCOL		
ETHYLENE-VINYL ACETATE COPOLYMER(EMULS)	5	
ETHYLENEDIOXYETHANOL,2,2-		60
ETHYLETHYLENE		
ETHYLHEXANOL		
ETHYLHEXENE		
ETHYLHEXYL ACETATE,2-	3	60
ETHYLHEXYL ALCOHOL		
ETHYLHEXYL NITRATE		
ETHYLHEXYL PHTHALATE		
ETHYLIDENE NORBORNENE		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
ETHYLMETHYLSTYRENE		
ETHYLTOLUENE		
ETHYNE		
EXTENDER OILS		
EXTRACTION NAPHTHA	16	
FAME	3	
FARM TRACTOR FUEL		
FATS ANIMAL	16	
FATTY ACID METHYL ESTER	3	
FATTY ALCOHOL NATURAL		60
FATTY ALCOHOL,SYNTH	16	
FATTY ALCOHOLS		
FATTY ALCOHOLS (C12-C20)		
FEED STOCK LIGHT DISTILLATE		
FEED STOCK LIGHT GASWORKS		
FERMENTATION BUTYL ALCOHOL		
FERRIC CHLORIDE 20%IN WATER	2	
FERRIC CHLORIDE 40% IN WATER	2	
FERRIC CHLORIDE SOLN	2	
FERRIC SULPHATE (UP TO 20%)		
FERTILIZER SOL(15% AMM.40%UREA 45%WATER)		
FERTILIZERS	16	
FIRE DAMP		
FIRE FIGHTING FOAM PRODUCING FLUIDS	16	
FISH ACID OIL	3	60
FISH OIL	3	60
FISH OIL SOLUBLES	3	60
FISH SOLUBLES	3	60
FRUIT JUICES	16	
FUEL JET SUPER		
FUEL OIL	2	90
FUEL OIL NO.1 (KEROSENE)		
FUEL OIL NO.1-D		60
FUEL OIL NO.2		
FUEL OIL NO.2-D		60
FUEL OIL NO.4	2	90

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## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
FUEL OIL NO.5	2	90
FUEL OIL NO.6	2	90
FUSEL OIL, ACID FREE (AMYL ALCOHOL)		
GAS CONDENSATE		
GAS OILS		
GAS OILS LOW POUR		
GAS OILS LOW SULPHUR		
GAS PLANT NAPHTHA (PETROLEUM NAPHTHA)		
GASOLINE	16	
GASOLINE (NAPHTHA AND SOLVENTS)		
GASOLINE (WITH TETRAETHYL LEAD)		
GASOLINE AIRCRAFT		
GASOLINE BLENDING AGENTS	16	
GASOLINE CONDENSATE		
GASOLINE GRADE TERT-BUTYL ALCOHOL	21	
GASOLINE LIGHT		
GASOLINE LOW POUR		
GASOLINE LOW SULPHUR		
GASOLINE POLYMER		
GASOLINE PREM GRADE MOTOR LEADED		
GASOLINE PREM GRADE MOTOR UNLEADED	21	
GASOLINE REFORMED		
GASOLINE REG. GRADE MOTOR LEADED		
GASOLINE REG. GRADE MOTOR UNLEADED	21	
GASOLINE STRAIGHT RUN		
GASOLINE WHITE		
GERANIUM OIL		
GLUCOSE		
GLUCOSE SOLN		
GLUTARIC ACID DIMETHYL ESTER		
GLYCERIN, ANHYDROUS		60
GLYCERIN, SYNTHETIC		60
GLYCERINE		60
GLYCERINE, CRUDE		60
GLYCERINE, DYNAMITE		60
GLYCERITOL		60

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
GLYCEROL		60
GLYCEROL MONO ACETATE	1.4	
GLYCEROL MONO OLEATE		
GLYCEROL MONO STEARATE		
GLYCEROL MONOOLEATE		
GLYCEROL POLYALKOXYLATE		
GLYCERYL MONOOLEATE		
GLYCIDYLESTER OF C10 TRIALKYLACETIC ACID		
GLYCOL		
GLYCOL ALCOHOL		
GLYCOL ALKYL ETHERS	16	
GLYCOL BIS(HYDROXYETHYL)ETHER		60
GLYCYL ALCOHOL		60
GLYOXAL 40% IN WATER		
GLYOXYLALDEHYDE 25% (WATER)		
GLYOXYLALDEHYDE 40% (WATER)		
GRAIN		
GRAIN OIL (FUSEL OIL)		
GRAPE JUICE CONCENTRATE	16	
GRAPEFRUIT JUICE	16	
GRAPSEED OIL	3	60
GRAPESTONE OIL	3	60
GREASE	3	60
GREASE OIL	3	50
GREASE, YELLOW	3	60
GROUNDNUT OIL	3	60
GUM SPIRITS OF TURPENTINE		
GUM TURPENTINE		
HALIBUT LIVER OIL	3	60
HALIVER OIL	3	60
HARDENED OILS	3	60
HAZELNUT OIL	3	60
HEATING OIL		
HEAVY CYCLE OIL	2	90
HEAVY FUEL OILS		70
HEAVY INDUSTRIAL FUEL		70

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
HEMITERPENE		
HEMPSEED OIL	3	
HENDECENE, 1-		
HEPT-2-ENE		
HEPTADECANE		
HEPTADECANE 3-HEPTANOL		
HEPTADECENE,1-		
HEPTAMETHYLENE		
HEPTAN-1-OL		
HEPTAN-4-ONE		
HEPTANE (ALL ISOMERS)		
HEPTANOL (ALL ISOMERS)		
HEPTANOL ISO		
HEPTANOL N		
HEPTANOL,1-		
HEPTANOL,2-		
HEPTANOL,3-		
HEPTANONE,2-		
HEPTANONE,4-		
HEPTENE		
HEPTENE (ALL ISOMERS)		
HEPTENE,1-		
HEPTENE,2-		
HEPTENE,2-CIS		
HEPTENE,2-TRANS		
HEPTENE,3-		
HEPTYL ACETATE	1	
HEPTYL ALCOHOL		
HEPTYL ALCOHOL ISO		
HEPTYL ALCOHOL N		
HEPTYLCARBINOL		
HEPTYLENE		
HERRING OIL	3	
HEXACECANOL (CETYL ALCOHOL)		
HEXADECANOIC ACID PROPYL ESTER		
HEXADECANOL,1-		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
HEXADECENE,1-		
HEXADECYL ALCOHOL (CETYL ALCOHOL)		
HEXAHYDRIC ALCOHOL		
HEXAHYDRIC ALCOHOL 70% SOLUTION		
HEXAHYDROBENZENE (CYCLOHEXANE)		
HEXAHYDROCUMENE		
HEXAHYDROCYMOL		
HEXAHYDROPHENOL		
HEXAHYDROTOLUENE		
HEXALIN		
HEXALIN ACETATE	1	
HEXAMETHYLENE		
HEXAMETHYLENE GLYCOL		
HEXANAPHTHENE		
HEXANAPHTHYLENE		
HEXANE		
HEXANE (ALL ISOMERS)		
HEXANE ISO		
HEXANE TRIOL		
HEXANEDINITRILE	1.4	
HEXANEDIOIC ACID DINITRILE	1.4	
HEXANEDIOL		
HEXANEDIOL,1,6-		
HEXANOL		
HEXANOL ISOBUTYRATE		
HEXANOL,1-		
HEXANOLS(ALL ISOMERS)		
HEXENE (ALL ISOMERS)		
HEXENE-2,CIS		
HEXENE,1-		
HEXYL ACETATE	1	
HEXYL ACETATE ISO.	1	
HEXYL ACETATE N.	1	
HEXYL ALCOHOL		
HEXYL ALCOHOL ISO		
HEXYL ALCOHOL,ISO,NORMAL		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
HEXYL ALCOHOL, SEC-		
HEXYLENE		
HEXYLENE GLYCOL		
HEXYLMETHANE		
HY-1,2,3-PROPANETRICARBOXYLIC,2-ACID 25%		
HY-1,2,3-PROPANETRICARBOXYLIC,2-ACID 5%		
HYDRALIN		
HYDRAULIC FLUID CAR	16	
HYDRAULIC FLUIDS (ESTERS)	16	
HYDRAULIC FLUIDS (PETROLEUM HYDROCARBON)	16	
HYDRO CRACKATE (GASOLINE)	16	
HYDROCARBONS ALIPHATIC		
HYDROCARBONS ALPHA		
HYDROCARBONS AROMATIC		
HYDROGEN DIOXIDE 3%		
HYDROGEN PEROXIDE 3%		
HYDROGEN SULPHIDE (SATURATED)		
HYDROGEN SULPHIDE (SOLNS)		
HYDROGENATED COCONUT OIL	3	60
HYDROGENATED OILS	3	
HYDROXY-2,2,4-TRIMETHYLPENTYL ISOBUTYRATE, 3-		
HYDROXYBUTANE,2-		
HYDROXYCYCLOHEXANE		
HYDROXYDIETHYLEETHER,2,2-		
HYDROXYHEXANE,1-		
HYDROXYL NO. 253		
HYDROXYMETHYLPROPANE,1-		
HYDROXYTERMINATED POLYBUTADIENE		
I-DIPROPYLMETHANE		
I-PROPANOL,1,1-OXYDI-		
INDUSTRIAL FATS	16	
INDUSTRIAL GREASE	16	
INFERIOR KEROSENE (SEE KEROSENE)		
INSULATING OILS		
IPDI		
ISO- AND CYCLO-ALKANES (C10-C11)		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
ISO- AND CYCLO-ALKANES (C12+)		
ISOAMYL ACETATE	1	
ISOAMYL ALCOHOL		
ISOAMYL ALCOHOL PRIM		
ISOAMYL ETHANOATE	1	
ISOAMYL METHYL KETONE		
ISOAMYLENES		
ISOAMYLHYDRIDE		
ISOBUTANOL		
ISOBUTANOL ISOBUTYL FORMATE MIXTS		
ISOBUTENE		
ISOBUTYL ACETATE	1.4	
ISOBUTYL ACETATE 85%	1.4	
ISOBUTYL ALCOHOL		
ISOBUTYL CARBINOL, PRIMARY		
ISOBUTYL FORMATE / ISOBUTANOL MIXTURES		
ISOBUTYL METHYL KETONE		
ISOBUTYLBENZENE		
ISOBUTYLENE		
ISOBUTYLENETRIMER		
ISOBUTYLTRIMETHYLMETHANE		
ISOBUTYRIC ACID HEXANOL ESTER		
ISOCUMENE		
ISODECANE		
ISODECANOL (MIXED ISOMERS)		
ISODECYL ALCOHOL		
ISODODECANE		
ISODODECANOL		
ISOHEPTANE		
ISOHEPTANOL		
ISOHEXANE		
ISOHEXANOL		
ISOHEXYL ALCOHOL		
ISONONANOL		
ISONONYL ALCOHOL		
ISOOCTANE		



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## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
ISOCTANOL		
ISOCTYL ALCOHOL		
ISOCTYL PHTHALATE		
ISOPARAFFINS		
ISOPENTANE		
ISOPENTANOL		
ISOPENTENE		
ISOPENTYL ACETATE	1	
ISOPENTYL ALCOHOL		
ISOPENTYL METHYL KETONE		
ISOPHORONE DIISOCYANATE		
ISOPRENE		
ISOPROPENYLBENZENE	4.8	
ISOPROPYL PALMITATE		
ISOPROPYL-1-METHYLBENZENE,4-		
ISOPROPYL-2-METHYLETHYLENE,1-		
ISOPROPYL-4-METHYLBENZENE,1-		
ISOPROPYLACETONE		
ISOPROPYLBENZENE		
ISOPROPYLBENZOL		
ISOPROPYLCARBINOL		
ISOPROPYLCYCLOHEXANE (bb)		
ISOPROPYLMETHYLBENZENE		
ISOPROPYLTOLUENE		
ISOTHIOCYANATO PROPENE,3-		60
ISOTHIOCYANIC ACID ALLYL ESTER		60
ISOVALERONE	4	
JAPANESE CAMPHOR OIL		
JET FUEL		
JET FUEL ADDITIVES	16	
JET FUEL F12		
JET FUEL F18		
JET FUEL F22		
JET FUEL F35		
JET FUEL F40		
JET FUEL F44		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
JET FUEL JP 1		
JET FUEL JP 4		
JET FUEL JP 5		
JET FUEL JP-3		
JET FUEL JP6		
JET PETROL		
JP-1(KEROSENE)		
JP-4		
JP-5(KEROSENE,HEAVY)		
JUICES, FRUIT	16	
KAOLIN SLURRY		60
KAUTSCHIN		
KEROSENE		
KEROSENE ODOURLESS		
KEROSENE PREMIUM GRADE K.30		
KETREX (MINERAL SPIRITS)	16	
LACTIC ACID 10% AND 20%		
LACTIC ACID 5%		
LACTIC ACID BUTYL ESTER		
LAMP KEROSENE		
LAMP OIL		
LARD ACID OIL	3	50
LATEX PH 5 TO 9		
LATEX RUBBER NATURAL(AMMONIA STABILIZED)	5	
LATEX SYNTHETIC (SEE ACRYLIC LATEX)	5	
LATEX, AMMONIA (1% OR LESS) INHIBITED	5	
LATEX: CARBOXYLATED STYRENE BUTADIENE CO	5	
LATEX: STYRENE-BUTADIENE RUBBER	5	
LAURYL ALCOHOL		
LAURYL PHENOL		
LAURYL SULPHATE AQUEOUS SOLN.		
LAURYL SULPHATE SODIUM SALT		
LAURYL SULPHATE SODIUM SALT (5%)		
LAVENDER FLOWER OIL	1	
LAVENDER OIL	1	
LAW (MINERAL SPIRITS)		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
LEAD NAPHTHENATE		
LEADED GASOLINE		
LECITHIN		
LEMON OIL	1	
LIGHT CAMPHOR OIL		
LIGHT CATALYTIC CRACKED PETROLEUM		
LIGHT DISTILLATE FEEDSTOCK (LDF)		
LIGHT GASOLINE		
LIGHT GASWORKS FEEDSTOCK		
LIGHT OIL		
LIGHT PALE LUBE OIL	9	
LIGHT PETROLEUM (PRODUCTS)		
LIGHTER FUEL	16	
LIGNIN (50% SOLUTION)		40
LIGNIN SULPHONATE (FINCH AND PRUYEN)		
LIGNOSITE (50% LIGNIN LIQUOR)		40
LIGROIN MINERAL THINNER	16	
LIME		
LIME HYDRATE	16	
LIME JUICE		
LIMONENE, INACTIVE		
LINEAR ALCOHOLS (TERGITOLS)	16	
LINEAR PARAFFIN (TRIDECANE)		
LINOLENYL ALCOHOL		
LINSEED OIL	3	60
LIQUID AMMONIUM POLYPHOSPHATE SOLN	16	
LIQUID CAMPHOR		
LIQUID FERTILIZER NITRATE SOLUTION	16	
LIQUID FISH MEAL	3	
LIQUID GLASS		
LIQUID RUBBER LATEX(NATURAL & SYNTHETIC)	5	
LONG CHAIN ALKARYL POLYETHER (C11-C20)		
LOW BASE CALCIUM SULPHONATE		
LOW SULPHUR GAS OILS		
LOW TOXICITY DRILLING MUD		
LUBE OIL	16	

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## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
LUBE OIL ADDITIVES	16	
LUBRICATING OIL AND BLENDING STOCKS	16	
LUBRICATING OILS	16	
LYE, SODIUM 0-25%		
LYE, SODIUM 30-49%		40
LYE,POTASSIUM 10%		
LYSINE MONOHYDRATE (50% SOLN)		
LYTHENE	16	
M-DIISOPROPYLBENZENE		
M-XYLENE		
M.D.I.		
M.E.G.		
MAGNESIUM ALKARYL SULPHONATE (C11-C50)		
MAGNESIUM ALKYL PHENATESULPHIDE (C8-C20)		
MAGNESIUM CHLORIDE 35%		
MAGNESIUM CHLORIDE SLURRY		
MAGNESIUM CHLORIDE SOLUTION		
MAGNESIUM HYDRATE		
MAGNESIUM HYDROXIDE		
MAGNESIUM HYDROXIDE SLURRY		
MAGNESIUM LONGCHAIN ALKYL SALICYLATE(C11)		
MAIZE OIL	3	60
MALEIC ACID DIBUTYL ESTER		
MALEIC ACID DIETHYL ESTER		
MALONIC ESTER		
MANGANESE SULPHATE SOLUTION		
MARGARINE	3	
MARSH GAS		
MDI		
MEG (ETHYLENE GLYCOL)		
MERCAPTOBENZOLTHIAZOL, SODIUM SALT SOLN		
MESITYLENE		
METHACIDE		
METHANE		
METHANECARBONITRILE	1.4	
METHANOL,TRIMETHYL-		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
METHOXY-1-BUTANOL,3-		
METHOXY-2-METHYL BUTANE, 2 -		
METHOXYBUTANOL,1-	4	
METHYL AMYL CARBINOL		
METHYL AMYL KETONE		
METHYL BUTANOL		
METHYL BUTENOL		
METHYL CYANIDE	1.4	
METHYL DODECANOATE		
METHYL ETHYL CARBINOL		
METHYL ETHYLENE GLYCOL		
METHYL HEPTYL KETONE	4	
METHYL HEXYL CARBINOL		
METHYL HEXYL KETONE	4	
METHYL ISOAMYL KETONE		
METHYL ISOBUTYL ALCOHOL		
METHYL ISOBUTYL CARBINOL		
METHYL ISOBUTYL CARBINOL ACETATE	1	
METHYL ISOBUTYL KETONE		
METHYL LAURATE		
METHYL N-AMYLKETONE		
METHYL NORMAL PROPYL BENZENE		
METHYL PENTYL KETONE		
METHYL PROPYL CARBINOL	3	60
METHYL SALICYLATE		
METHYL TERT-BUTYL ETHER		
METHYL TERTIARY BUTYL ETHER		
METHYL-1-BUTANOL,2-		
METHYL-1-BUTANOL,3		
METHYL-1-BUTENE,3-		
METHYL-1-BUTENOL,3-		
METHYL-1-BUTYL ACETATE,3-	1	
METHYL-1-HYDROXY-3-BUTYNE,2-		
METHYL-1-PENTENE,2-		
METHYL-1-PENTENE,4-		
METHYL-1-PHENYL-ETHYLENE,1-	4.8	

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## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
METHYL-1-PROPANOL,2-		
METHYL-1-PROPYLETHYLENE		
METHYL-1-PROPYLETHYLENE,2- (= 2-HEXENE)		
METHYL-1,3-BUTADIENE,2-		
METHYL-1,3-BUTADIENE,3-		
METHYL-1,3-CYCLOPENTADIENE		
METHYL-2-BUTANOL,2-		
METHYL-2-BUTENE,2-		
METHYL-2-HEXANONE,5-		
METHYL-2-PENTANOL,2-		
METHYL-2-PENTANOL,4-		
METHYL-2-PENTANONE,4-		
METHYL-2-PENTYL ACETATE,4-	1	
METHYL-2-PHENYLPROPANE,2-		
METHYL-2-PROPANOL,2-		
METHYL-3-BUTEN-2-OL, 2-		
METHYL-4-PENTANOL,2-		
METHYL-4-TERT-BUTYLBENZENE,1-		
METHYL-N-AMYL CARBINOL		
METHYLAMYL ACETATE	1	
METHYLAMYL ALCOHOL		
METHYLBENZENE		
METHYLBUTANES		
METHYLBUTENE		
METHYLBUTYL ACETATE,3-	1	
METHYLBUTYL ALCOHOL-2		
METHYLBUTYL ETHANOATE,2	1	
METHYLCYCLOHEXANE		
METHYLCYCLOPENTADIENE		
METHYLCYCLOPENTADIENE DIMER		
METHYLENE BIS (4-PHENYLISOCYANATE)		
METHYLENE BIS (P-PHENYLISOCYANATE)		
METHYLENE BIS (PHENYLISOCYANATE),1,1-		
METHYLENE DI-P-PHENYLENEDIISOCYANATE		
METHYLENE DIISOCYANATE		
METHYLENE DIPHENYL DIISOCYANATE,4,4-		

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## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
METHYLETHENE		
METHYLETHYLMETHANE		
METHYLHEPTANE,2-		
METHYLHEXAHYDROBENZENE		
METHYLHEXANE		
METHYLISOBUTYL CARBINOL (MIBC)	1	
METHYLNAPHTHALENE ALPHA-		
METHYLNAPHTHALENE,BETA-		
METHYLNONANE,2-		
METHYLOLPENTANE,3-		
METHYLPENTANE-2,4-DIOL,2-		
METHYLPENTANE,2-		
METHYLPENTANEDIOL-2,2-		
METHYLPENTENE-2		
METHYLPENTYL 2-ACETATE,4-	1	
METHYLPROPAN-2-OL,2-		
METHYLPROPENE,2-		
METHYLPROPYL ACETATE,2-	1.4	
METHYLPROPYL ALCOHOL,2-		
METHYLPROPYL ETHANOATE,1-	1.4	
METHYLPROPYL ETHANOATE,2-	1.4	
METHYLPROPYL ISOBUTYRATE	1.4	
METHYLPROPYLBENZENE		
METHYLSTYRENE,ALPHA	4.8	
METHYLSTYRENES	4.8	
METHYLTOLUENE		
METHYLVINYLBENZENES	4.8	
MIAK		
MIBK		
MIDDLE OIL (COAL TAR)	2	70
MILK		
MILK ACID 10 AND 20%		
MILK ACID 5%		
MINERAL OIL-WHITE (PETROLATUM)		70
MINERAL OILS		70
MINERAL PITCH	2	

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
MINERAL SEAL OIL (LUBE OIL)	9	
MINERAL SPIRITS	16	
MINERAL SPIRITS 10		
MINERAL SPIRITS 4		
MINERAL THINNER	16	
MINERAL WHITE OIL		
MOGAS		
MOGAS 94		
MOGAS 95R		
MOGAS 97R		
MOGAS 99		
MOGAS PLATFORMATE		
MOLASSES	10	50
MOLASSES (CANE)	10	50
MOLASSES RESIDUE FROM FERMENTATION	10	50
MONOCHLOROBENZENE	1.4	
MONOCHLOROETHYLENE	1.4	
MONOETHYLENE GLYCOL		
MONOMETHYL NAPHTHALENE-1		
MONOPENTAERYTHRITOL		
MONOPENTAERYTHRITOL 10%		
MOTOR BENZOL		
MOTOR FUEL A/KNOCK COMPCONT LEAD ALKYLs	16	
MOTOR FUEL ANTI-KNOCK COMPOUNDS	16	
MOTOR OILS		
MOTOR SPIRIT	16	
MTBE		
MUSTARD OIL		60
MUSTARD SEED OIL		60
MUTTON TALLOW OIL	3	50
MYRISTYL ALCOHOL		
N PARAFFINS		
N-BUTANOL		
N-BUTENE,1		
N-BUTYL CARBINOL		
N-CAPROYLHYDRIDE		



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### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
N-CETYLBENZENE		
N-DECANE		
N-DECANOL		
N-DECYLBENZENE		
N-DIPROPYLMETHANE		
N-DODECANE		
N-HEPTANOL		
N-HEPTENE		
N-HEPTENE,3-		
N-HEPTYL HYDRIDE		
N-HEXANE		
N-HEXYL ALCOHOL		
N-HEXYL HYDRIDE		
N-OCTANOL		
N-OCTANOL,1-		
N-OCTYL ALCOHOL		
N-PENTENE		
N-PROPYLBENZENE		
N-TRIDECANE		
N-UNDECANE		
N-UNDECYL ALCOHOL		
NAPHTHA	16	
NAPHTHA CRUDE AROMATIC		
NAPHTHA CRUDE CONDENSATE		
NAPHTHA DISTILLATE (DOT)		
NAPHTHA GASPLANT		
NAPHTHA GRADE		
NAPHTHA HEAVY (COAL TAR)	2	70
NAPHTHA HEAVY AROMATIC		
NAPHTHA LIGHT		
NAPHTHA M50		
NAPHTHA NATURAL LIQUID		
NAPHTHA PARAFFINIC		
NAPHTHA REFINED AROMATIC		
NAPHTHA SOLVENT (160 0 BENZOL)		
NAPHTHA SOLVENT (DOT)		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
NAPHTHA UNFINISHED		
NAPHTHA UNFINISHED CRUDE		
NAPHTHA UNFINISHED VIRGIN		
NAPHTHA VM & P		
NAPHTHA WHOLE		
NAPHTHALENE-1,2,3,4-TETRAHYDRIDE		
NAPHTHALENESULPH ACID/FORM COPOL SODIUM		
NAPHTHANTRIENE		
NAPHTHENES (CYCLOPARAFFINS)	16	
NAPHTHENIC OILS (EXTENDER OILS)		
NATURAL LIQUID GAS (PETROLEUM NAPHTHA)		
NATURAL RUBBER LATEX	5	
NEOPENTANE (DOT)		
NESOL		
NEUTRAL OIL		
NITRATION BENZENE		
NITRATION TOLUENE		
NITRIC ACID ALUMINIUM SALT 80%		
NITROGEN FERTILIZERS	16	
NITROPROPANE	4	
NITROPROPANE (1- OR -2)	4	
NITROPROPANE 60%/NITROETHANE 40% MIXTURE	4	
NITROPROPANE,1-	4	
NITROPROPANE,2-	4	
NONANE (ALL ISOMERS)		
NONANOL		
NONANOL (N.ISO)		
NONANOL,1-		
NONANOL,5-		
NONENE		
NONENE, 1-		
NONENES		
NONYL ACETATE	1	
NONYL ADIPATE,DI-ISO-		
NONYL ALCOHOL (ALL ISOMERS)		
NONYL HYDRIDE		

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## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
NONYL PHENOL ETHOXYLATE		
NONYL PHENOL SULPHATE SODIUM SALT		
NONYLENE,1-		
NONYLENES		
NONYLPHENOL		
NONYLPHENOL POLY(4+) ETHOXYLATES		
O-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTE		
O-DIETHYLBENZENE		
O-DIISOPROPYLBENZENE		
O-PHTHALIC ACID DIBUTYL ESTER		
O-TOLYL PHOSPHATE	1	
O-XYLENE		
OCTADECANE		50
OCTADECANE,N-		50
OCTADECANOIC ACID BUTYL ESTER		60
OCTADECANOL,1-		70
OCTADECENE		
OCTADECENE. 1-		
OCTADECENOL		
OCTADECYL ALCOHOL		70
OCTANE (ALL ISOMERS)		
OCTANOL (ALL ISOMERS)		
OCTANOL,1-		
OCTANOL,2-N-		
OCTANONE,2-	4	
OCTENE		
OCTENE (ALL ISOMERS)		
OCTENE,1-		
OCTENE,2-		
OCTYL ACETATE	1	
OCTYL ACETATE-ISO & N	1	
OCTYL ACETATE, N-	1	
OCTYL ALCOHOL, SECONDARY, NORMAL		
OCTYL CARBINOL		
OCTYL DECYL ADIPATE		40
OCTYL HYDRIDE		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
OCTYL NITRATES (ALL ISOMERS)		
OCTYLALCOHOL N.		
OCTYLBENZENE		
OCTYLDECYL PHTHALATE		40
OCTYLENE,1-		
OIL (SHALE)		
OIL OF MUSTARD,ARTIFICIAL		60
OIL OF TURPENTINE		
OILS MINERAL		70
OILS REFINED COCONUT	3	60
OILS REFINED COTTONSEED	3	60
OILS REFINED D.C.O.	3	60
OILS REFINED LINSEED	3	60
OILS REFINED PALM	3	60
OILS REFINED SAFFLOWER	3	50
OILS REFINED SOYA	3	50
OILS REFINED TUNG	3	60
OILS VEGETABLE	16	
OLEFIN MIXTURES (C5-C15)		
OLEFIN MIXTURES (C5-C7)		
OLEFIN/ALKYLESTER COPOLYMER (MW2000+)		
OLEFINS STRAIGHT CHAIN MIXTURE		
OLEFINS	16	
OLEFINS (C13 AND ABOVE, ALL ISOMERS)		
OLEFINS (C6-C18), ALPHA MIXTURES		
OLEFINS (C6-C8) MIXTURES		
OLEFINS ALPHA		
OLEFINS, ALPHA (C13-C18)		
OLEIN	3	
OLEUM SINAPIS VOLATILE		60
OLEYL ALCOHOL		
OLIVE OIL	3	60
ORANGE JUICE	16	
ORTHOBORIC ACID		
ORTHOBORIC ACID 10%		
OXA-1,5-PENTANEDIOL,3-		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
OXAL 40% (WATER)		
OXALDEHYDE 40% (WATER)		
OXALIC ACID		
OXALIC ACID SOLUTION.		
OXALIC ACID, DRY		
OXIDE OF CALCIUM		
OXIDISED OIL	3	60
OXO ALCOHOL (ISOCTYL ALCOHOL)		
OXYDI-2-PROPANOL,1,1-		
OXYDIETHANOL,2,2-		
P-CYMOL		
P-DIISOPROPYLBENZENE		
P-ISOPROPYLTOLUENE		
P-MENTHADINE,1,8(9)-		
P-METHA-1,8-DIENE		
P-METHYL-TERT-BUTYLBENZENE		
P-METHYLCUMENE		
P-METHYLISOPROPYLBENZENE		
P-XYLENE		
P,P-METHYLENEBIS(PHENYLISOCYANATE)		
PAINTERS NAPHTHA	16	
PALE OIL (LUBE OIL)	9	
PALM KERNEL METHYL ESTER	3	50
PALM KERNEL OIL	3	50
PALM KERNEL OIL (SULPHURIC ACID FREE)	3	50
PALM NUT OIL	3	50
PALM NUT OIL FATTY ACID METHYL ESTER	3	50
PALM OIL	3	50
PALM OIL (REFINED SULPHURIC ACID FREE)	3	50
PALM OIL CRUDE	3	50
PALM OIL CRUDE (SULPHURIC ACID FREE)	3	50
PALM OIL FATTY ACID METHYL ESTER	3	50
PALM OIL METHYL ESTER	3	50
PALM OIL NEUTRALISED	3	50
PALM OIL PROCESSED	3	50
PALM OIL PROCESSED (SULPHURIC ACID FREE)	3	60

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
PALM OIL STEARIN (SULPHURIC ACID FREE)	3	50
PALM OLEIN CRUDE	3	50
PALM OLEIN NEUTRALISED	3	50
PALM OLEIN PROCESSED	3	50
PALM STEARIN	3	50
PALM STEARIN CRUDE	3	50
PALM STEARIN NEUTRALISED	3	50
PALM STERIN PROSSESED	3	50
PALMAROSA OIL		
PALMITIC ACID ISOPROPYL ESTER		
PALMITYL ALCOHOL (CETYL ALCOHOL)		
PALMSTONE OIL	3	50
PARAFFIN		90
PARAFFIN DISTILLATE		90
PARAFFIN KEROSENE		
PARAFFIN LIQUID		
PARAFFIN NAPHTHA		
PARAFFIN OIL		
PARAFFIN OIL WHITE		
PARAFFIN SULPHONATE		
PARAFFIN WAX		90
PARAFFINIC OIL, WHITE (PETROLATUM)		
PARAFFINIC SULPHONATE (PETROLEUM)		
PARAFFINS (C10-C20),N-		
PE		
PEANUT BUTTER	3	60
PEANUT OIL	3	60
PEAR OIL	1	
PEEL OIL		60
PEEL OIL (ORANGES AND LEMONS)		60
PEG		
PELARGONIC ALCOHOL		
PENTACHLOROPHENOXY SODIUM	5	
PENTADECENE,1-		
PENTADIENE,1,3-		
PENTAERYTHRITE		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
PENTAERYTHRITOL		
PENTAERYTHRITOL 10%		
PENTAMETHYLENE		
PENTAMETHYLHEPTANE		
PENTANE (ALL ISOMERS)		
PENTANEDIOIC ACID DIMETHYL ESTER		
PENTANOL ACETATE, 1-	1	
PENTANOL,1-		
PENTANOL,2-	3	60
PENTANOL,3-		
PENTENE (ALL ISOMERS)		
PENTENE, 2,4,4-TRIMETHYL-		
PENTENE,1-		
PENTENE,2-		
PENTYL ACETATE,1-	1	
PENTYL ALCOHOL		
PEPPERMINT OIL		
PERILLA OIL	3	40
PEROXIDE OF HYDROGEN 3%		
PETROL	16	
PETROLATUM		70
PETROLATUM LIQUID (WHITE MINERAL OIL)		
PETROLEUM ASPHALT	2	
PETROLEUM BENZINE		
PETROLEUM CRUDE OIL	2	90
PETROLEUM DISTILLATES (NAPHTHA)		
PETROLEUM ESSENCES	16	
PETROLEUM GAS		
PETROLEUM GASOLINE		
PETROLEUM JELLY		70
PETROLEUM NAPHTHA (DOT)	16	
PETROLEUM OINTMENT		70
PETROLEUM PITCH	2	
PETROLEUM PRODUCTS	16	
PETROLEUM REFINED		
PETROLEUM SOLVENT ALIPHATIC		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
PETROLEUM SOLVENTS		
PETROLEUM SOLVENTS AROMATIC		
PETROLEUM SPIRITS	16	
PETROLEUM SULPHONATE		70
PETROLEUM SULPHONATE OILS (LUBE ADD)	16	
PETROLEUM SULPHONATE SODIUM SALTS		70
PETROLEUM THINNER	16	
PETROLEUM WAX		
PHENOL DODECYL		
PHENYL CHLORIDE	1.4	
PHENYL ETHER		60
PHENYL HYDRIDE		
PHENYL-1-PROPENE,2-	4.8	
PHENYL-1-PROPENE,3-	4.8	
PHENYL-1-XYLYL ETHANE,1-		
PHENYL-1-XYLYLETHANE		
PHENYLBENZENE		
PHENYLBUTANE,2-		
PHENYLETHENE	6.8	
PHENYLETHYLENE	6.8	
PHENYLMETHANE		
PHENYLPROPANE,1-		
PHENYLPROPANE,2-		
PHOSPHORIC ACID TRIETHYL ESTER	1	
PHOSPHORIC ACID TRIS(METHYLPHENYL)ESTER	1	
PHOSPHORIC ACID TRITOLYL ESTER	1	
PHOSPHORIC ACID TRIBUTYL ESTER	1	
PHPH		
PHthalate PLASTICISERS		40
PHthalATES	16	
PHthalIC ACID BUTYLBENZYL ESTER		
PHthalIC ACID BUTYLOCTYL ESTER		
PHthalIC ACID DECYL ESTER		
PHthalIC ACID DIALKYL(C7-C13) ESTER		
PHthalIC ACID DIALKYL(C7-C9) ESTER		
PHthalIC ACID DIALKYL(C9-C13) ESTER		



# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
PHTHALIC ACID DIALLYL ESTER		
PHTHALIC ACID DIBUTYL ESTER		
PHTHALIC ACID DIETHOXYETHYL ESTER		
PHTHALIC ACID DIETHYL ESTER		
PHTHALIC ACID DIETHYLGLYCOL ESTER		
PHTHALIC ACID DIHEPTYL ESTER		
PHTHALIC ACID DIHEXYL ESTER		
PHTHALIC ACID DIISOBUTYL ESTER		
PHTHALIC ACID DIISONONYL ESTER		
PHTHALIC ACID DIISOCTYL ESTER		
PHTHALIC ACID DIMETHYL ESTER		
PHTHALIC ACID DINONYL ESTER		
PHTHALIC ACID DIOCTYL ESTER		
PHTHALIC ACID ETHYLHEXYL ESTER		
PHTHALIC ACID ISOCTYL ESTER		
PHTHALIC ACID OCTYLDECYL ESTER		40
PINE OIL		
PINEAPPLE JUICE		
PINENE		
PINENE, BETA		
PIPERYLENE		
POGY OIL	3	60
POLY-ISO-BUTENE		70
POLY-N-(POLY UREA PHOSPHATE FERTILIZER)		
POLY(2-8)ALKYLENE GLY MONOALKYL(C1-6)ETH		
POLY(4+)ISOBUTYLENE		70
POLYALKYLENE GLYCOL BUTYL ETHER		
POLYALKYLENE GLYCOLS/MONOALKYL ETHER MIX		
POLYANILINE POLYISOCYANATE (PAPI)		
POLYBUTADIENE		
POLYBUTENE		70
POLYBUTYLENE		70
POLYESTER	16	
POLYESTER PRODUCTS	16	
POLYETHER (MOLECULAR WEIGHT 2000+)		
POLYETHER GLYCOL		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
POLYETHYLENE GLYCOL		
POLYETHYLENE PELLETS (DRY)		
POLYGLYCEROL		
POLYGLYCOL		
POLYISOBUTYLENES (4+)		70
POLYMER-FUEL	16	
POLYMERISED OILS	3	60
POLYOL	16	
POLYOLEFIN (MOLECULAR WEIGHT 300+)		
POLYOLEFIN ESTER(C28-C250)		
POLYOXYETHYLENE		
POLYOXYPROPYLENE GLYCOL		
POLYOXYPROPYLENTRIOL		60
POLYPROPYLENE		
POLYPROPYLENE GLYCOL		
POLYPROPYLENE GLYCOL DIMETHYL ETHER		
POLYPROPYLENE GLYCOL METHYL ETHER		
POLYSILOXANE	16	
POLYVINYL ACETATE EMULSION (AMM.STAB.)	5	
POLYVINYL ACETATE LATEX	16	
POPPY OIL	3	
POPPYSEED OIL	3	
PORPOISE OIL	3	60
POTASH LIQUOR 30-49%		40
POTASH LIQUOR 50%		60
POTASH LYE	16	
POTASH LYE 30-49%		40
POTASH LYE 50%		60
POTASSIUM CHLORIDE DRILLING BRINE		
POTASSIUM CHLORIDE SOLN (10% OR MORE)		
POTASSIUM CHLORIDE SOLUTIONS		
POTASSIUM HYDRATE 30-49%		40
POTASSIUM HYDRATE 50%		60
POTASSIUM HYDROXIDE 30-49%		40
POTASSIUM HYDROXIDE 50%		60
POTASSIUM HYDROXIDE SOLUTION	16	

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
POTASSIUM NITRATE SOLNS	16	
POTASSIUM SILICATE AQUEOUS SOLUTIONS		
POTASSIUM THIOSULPHATE 50%	2	
POWER KEROSENE		
PPG		
PREMIUM GRADE MOTOR GASOLINE LEADED		
PREMIUM GRADE MOTOR GASOLINE UNLEADED	21	
PREMIUM MOGAS 98	21	
PREPARED TAR	2.5	70
PROCESS NAPHTHA		
PROCESS OIL		
PROCESS OILS MINERAL ORIGIN		
PROCESS OILS VEGETABLE ORIGIN	3	
PROPANE		
PROPANE GAS		
PROPANEDIOL,1,2-		
PROPANEDIOL,1,3-		
PROPANETRIOL,1,2,3-		60
PROPANOL,2-METHYL,1-		
PROPENE TRIMER		60
PROPENE,1-		
PROPENYL ISOTHIOCYANATE,2-		60
PROPENYLBENZENE	4.8	
PROPYL GLYCOL		
PROPYL HYDRIDE		
PROPYL PALMITATE		
PROPYLAN		
PROPYLBENZENE (ALL ISOMERS)		
PROPYLBENZENE,N-		
PROPYLENE		
PROPYLENE DIMER		
PROPYLENE GLYCOL		
PROPYLENE GLYCOL POLY		
PROPYLENE GLYCOL,1,2-		
PROPYLENE GLYCOL,1,3-		
PROPYLENE PENTAMER		60

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
PROPYLENE POLYMER		
PROPYLENE TRIMER		60
PROPYLENE/BUTYLENE COPOLYMER		
PSEUDOBUTYLENE GLYCOL		
PSEUDOCUMENE		
PUMPKIN SEED OIL	3	
PYRENE		
PYROBENZOL		
PYROLITIC GASOLINE		
PYROLSIS FUEL (FUEL OIL)		
PYRROLYLENE		
QUENCHING OIL	16	
QUICKLIME		
QUIRINIC OIL		
RAISIN SEED OIL	3	60
RAPE OIL	3	60
RAPE SEED OIL	3	60
RAPESEED ACID OIL	3	60
REFINED HARDENED FISH OIL	3	60
REFINED SOLVENT NAPHTHA	16	
REFINED TAR	2.5	70
REFORMATES (GASOLINE BLENDING STOCK)	16	
REGULAR GRADE KEROSENE		
REGULAR GRADE MOTOR GAS LEADED		
REGULAR GRADE MOTOR GAS UNLEADED	21	
REGULAR GRADE MOTOR GASOLINE LEADED		
REGULAR GRADE MOTOR GASOLINE UNLEADED	21	
REGULAR MOGAS 92	21	
RESIDUAL FUEL		70
RESIN OIL (SEE COUMARONE OIL)		
RICE BRAN OIL	3	50
RICINUS OIL	3	
ROCK OIL	2	90
ROCK SALT SOLUTION		
ROSIN	3	
ROSIN OIL		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
ROSIN SOAP		
RUBBER EXTENDER OILS		
RUBBER PROCESS OIL	16	
RUSA OIL		
SAFFLOWER ACID OIL	3	60
SAFFLOWER OIL	3	50
SALAD OIL	3	60
SALICYLIC ACID METHYL ESTER		
SALMON OIL	3	60
SALT WATER		50
SANDAL OIL		
SANDALWOOD OIL- EAST INDIAN		
SANGAJOL		
SANTAL OIL		
SANTALWOOD OIL		
SARDINE OIL	3	60
SEA WATER		50
SEAL OIL	3	60
SEBACIC ACID DIBUTYL ESTER		
SEBACIC ACID DIDECYL ESTER		
SEBACIC ACID DIHEXYL ESTER		
SEC-AMYL ALCOHOL		
SEC-BUTANOL		
SEC-BUTYL CARBINOL		
SEC-HEXYL ACETATE	1	
SEC-HEXYL ALCOHOL		
SEC-N-OCTYL ALCOHOL		
SEC-PENTYLCARBINOL		
SECONDARY ALCOHOLS	16	
SEED OIL	3	60
SENECA OIL	3	70
SESAME OIL	3	60
SHALE OIL		
SHARK LIVER OIL	3	60
SHARK OIL	3	60
SHELLSOL 360 (MINERAL SPIRITS)		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
SHELLSOL A (MINERAL SPIRITS)		
SHELLSOL AB (MINERAL SPIRITS)		
SHELLSOL E (MINERAL SPIRITS)		
SHELLSOL H (MINERAL SPIRITS)		
SHELLSOL K (MINERAL SPIRITS)		
SHELLSOL N (MINERAL SPIRITS)		
SHELLSOL PD (MINERAL SPIRITS)		
SHELLSOL PP (MINERAL SPIRITS)		
SHELLSOL R (MINERAL SPIRITS)		
SHELLSOL RA (MINERAL SPIRITS)		
SHELLSOL T (MINERAL SPIRITS)		
SHELLSOL TD-7 (MINERAL SPIRITS)		
SILICA SLURRY		
SILICATE OF SODA		
SINAPIS OIL		60
SKYDROL HYDRAULIC FLUID	16	
SLACKWAX (SEE PETROLATUM)		70
SLAKED LIME	16	
SODA ASH		
SODA ASH (10%)		
SODIUM ALKYL(C14-17) SULPHONATES(60-65%)	5	
SODIUM ALKYL SALICYLATE(C13+)		
SODIUM ALUMINOSILICATE SLURRY		
SODIUM BOROHYDRIDE BELOW 15%		
SODIUM BOROHYDRIDE <= %15/SODIUMHYDROXIDE		
SODIUM BROMIDE SOLUTION (45%)		
SODIUM CARBONATE (3% OR LESS) SOLN		
SODIUM CARBONATE (SATURATED)		
SODIUM CARBONATE SOLN	16	
SODIUM CARBONATE SOLUTION 20%		
SODIUM CHLORATE 5%		
SODIUM CHLORIDE (SATURATED)		
SODIUM CHLORIDE SOLN (DRILLING BRINE)	16	
SODIUM HYDRATE 50%		60
SODIUM HYDRATE LYE 0-25%		
SODIUM HYDRATE LYE 30-49%		40

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
SODIUM HYDRATE LYE 75%		60
SODIUM HYDROGEN SULPHIDE (6%OR LESS)		
SODIUM HYDROGEN SULPHIDE 25%		
SODIUM HYDROGEN SULPHIDE 45%		
SODIUM HYDROGEN SULPHIDE 55%		
SODIUM HYDROGEN SULPHITE SOL 45% OR LESS		
SODIUM HYDROGEN SULPHITE SOLN		
SODIUM HYDROSULPHIDE 25%		
SODIUM HYDROSULPHIDE 45%		
SODIUM HYDROSULPHIDE 55%		
SODIUM HYDROSULPHIDE SOLN (45% OR LESS)		
SODIUM HYDROSULPHIDE/AMMONIUM SULP. SOLN		
SODIUM HYDROSULPHIDE/AMMONIUM SULPHIDE		
SODIUM HYDROXIDE (75%)		60
SODIUM HYDROXIDE 0-25%		
SODIUM HYDROXIDE 30-49%		40
SODIUM HYDROXIDE 50%		60
SODIUM HYDROXIDE SOLUTION	16	
SODIUM HYPOCHLORITE (SOL MAX.200PPM)		
SODIUM LONG CHAIN ALKYL SALICYLATE(C43+)		
SODIUM LYE 0-25 %		
SODIUM LYE 20%		
SODIUM LYE 30-49%		40
SODIUM LYE 50%		60
SODIUM LYE SOLN 75%		60
SODIUM METABORATE PEROXYHYDRATE		
SODIUM NITRATE SOLUTION		
SODIUM PERBORATE		
SODIUM PETROLEUM SULPHONATE		70
SODIUM POLY(4+)ACRYLATE SOLN		
SODIUM SALICYLATE		
SODIUM SILICATE		
SODIUM SILICATE SOLUTION		
SODIUM SULPHATE 15%		
SODIUM SULPHATE SOLUTIONS		
SODIUM SULPHIDE SOLNS (25% OR LESS)		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
SODIUM SULPHOHYDRATE 25%		
SODIUM SULPHONATE		
SODIUM TETRAHYDROBORATE BELOW 15%		
SOLUBLE GLASS		
SOLVENT NAPHTHA	16	
SORBITOL		
SORBITOL SOLUTION		
SOUR CRUDE	2	70
SOUR CRUDE OIL	2	90
SOYA ACID OIL	3	50
SOYA BEAN OIL	3	50
SOYA LECITHIN		
SOYA OIL	3	50
SPECIAL PALM OIL, BLEACHABLE	3	60
SPERM OIL	3	60
SPERM OIL PRESSINGS	3	60
SPERM OIL RESIDUE	3	60
SPERM WHALE OIL	3	60
SPERMACETI OIL	3	60
SPINDLE OIL (LUBE OIL)	9	
SPIRITS AROMATIC		
SPRAY OIL (LUBE OIL)	9	
STAND OIL LINSEED	3	60
STARCH SOLUTION		
STARCH SOLUTION 10%		
STEAM REFINED OIL	3	60
STEARYL ALCOHOL		70
STODDARD SOLVENT		
STOVE OIL		
STRAIGHT RUN	16	
STRAIGHT RUN NAPHTHA	16	
STRAIGHT RUN RESIDUE	16	
STUMP TURPENTINE		
STYRENE	6.8	
STYRENE BUTADIENE		
STYRENE BUTADIENE LATEX (AMM.STAB.)	5	



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## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
STYRENE MONOMER	6.8	
STYRENE MONOMER INHIBITED	6.8	
SUCCINIC ACID DIETHYL ESTER		
SUGAR		
SUGAR (DRY)		
SUGAR (LIQUID)	10	60
SUGAR SOLUTION	10	60
SUGAR SYRUP	10	60
SULFONATE OILS (LUBE ADDITIVES)		
SULFURETTED HYDROGEN (SATURATED)		
SULPHATED CASTOR OIL	3	
SULPHITE LYE		40
SULPHO HYDRO CARBON(C3-C88)		
SULPHONIC ACIDS	16	
SULPHURISED LINSEED OIL	3	60
SUNFLOWER OIL	3	60
SUNFLOWER SEED ACID OIL	3	60
SUNFLOWER SEED OIL	3	60
SUPER JET FUEL		
SWEET OIL	3	60
SYM-DIMETHYLETHYLENE GLYCOL		
SYM-METHYLETHYLETHYLENE		
SYM-TRIMETHYLBENZENE		
SYNTHETIC ALCOHOL ETHOXYLATE		
SYNTHETIC LATEX	16	
SYNTHETIC MUSTARD OIL		60
SYRUPS	10	50
TALL OIL PITCH/HEADS BLEND	2	70
TALLOW	3	60
TALLOW ALCOHOL		
TALLOW BLEACHABLE, FANCY, TOPWHITE	3	50
TANNIN AQUEOUS SOLNS		
TAR (COAL)	16	
TEEL OIL	3	60
TEG		60
TERPENES		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
TERPINEOL		
TERT-AMYL METHYL ETHER		
TERT-AMYLENES		
TERT-BUTYLMETHYLETHER		
TERT-BUTYLTOLUENE		
TERT-BUTYLTOLUENE-P.		
TERT-PENTANOL		
TETRADECANOL,1-		
TETRADECENE		
TETRADECYLBENZENE		
TETRAETHYLENE GLYCOL		
TETRAHYDRO-4,7-METHANOIN-DENE,3A,4,7,7A		
TETRAHYDROBENZENE,1,2,3,4-		
TETRAHYDRONAPHTHALENE		
TETRALIN		
TETRALINE		
TETRAMETHYLENE CYANIDE	1.4	
TETRAMETHYLENE DICYANIDE	1.4	
TETRAMETHYLENE GLYCOL,1,4-		
TETRAPROPYLBENZENE		
TETRAPROPYLENEBENZENE		
THICKENED OILS	3	60
THUS GUM		
TIGLIUM OIL	3	
TIL OIL	3	60
TINCAL		
TOLUENE		
TOLUENE DIISOCYANATE		
TOLUENE,2,4-DIISOCYANATE		
TOLUOL		
TOLYLETHYLENES	4.8	
TRANSBUTENE-2 "LOW BOILING" BUTENE-2		
TRANSFORMER OIL		
TRANSMISSION OIL		
TRI-N-BUTYL PHOSPHATE	1	
TRI-O-CRESYLPHOSPHATE	1	

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
TRI-O-TOLYL PHOSPHATE	1	
TRI-P-CRESYLPHOSPHATE	1	
TRIALKYL PHOSPHATE	1	
TRIARYL PHOSPHATE	1	40
TRIBUTYL PHOSPHATE	1	
TRIBUTYLETHYLHEXYL PHOSPHATE	1	
TRICRESYL PHOSPHATE	1	
TRICRESYL PHOSPHATE, (	1	
TRICRESYL PHOSPHATE, (>1% ORTHO-ISOMER)	1	
TRIDECENE		
TRIDECENE CONCENTRATE		
TRIDECENE,TETRADECENE		
TRIDIMETHYL PHENYL PHOSPHATE	14	
TRIETHYL PHOSPHATE	1	
TRIETHYLBENZENE		
TRIETHYLENE GLYCOL		60
TRIETHYLPENTANEDIOL		
TRIGLYCOL		60
TRIHYDROXYPROPANE,1,2,3-		60
TRIISOBUTYLENE		
TRIISOBUTYLENE		
TRIISOCTYL TRIMELLITATE		
TRIISOPROPYLATED PHENYL PHOSPHATES	1	
TRIMER PROPYLENE		
TRIMETHYL BENZENES (ALL ISOMERS)		
TRIMETHYL GLYCOL		
TRIMETHYL HEXAMETHYLENEDIISOCYANATE 1,2.		
TRIMETHYL-1,3-PENTANE DIOL-1-ISOBUTYRATE		
TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE		
TRIMETHYL-1,3-PENTANEDIOL,2,2,4-		
TRIMETHYLBENZENE,1,2,4-		
TRIMETHYLBENZOL,1,3,5-		
TRIMETHYLCARBINOL		
TRIMETHYLCYCLOHEXANOL		
TRIMETHYLCYCLOHEXANOL		
TRIMETHYLENE GLYCOL		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
TRIMETHYLETHYLENE		
TRIMETHYLOL PROPANE POLYETHOXYLATE		
TRIMETHYLOLPROPANE		
TRIMETHYLOLPROPANE MONO OLEATE		
TRIMETHYLPENTANE,2,2,4-		
TRIMETHYLPENTANEDIOL MONOISOBUTYRATE		
TRIMETHYLPENTENE,2,4,4-		
TRIMETHYLPENTENE,2,4,4-		
TRIPROPYLENE		60
TRIPROPYLENE GLYCOL		
TRIPROPYLENEBENZENE		
TRISODIUM PHOSPHATE SOLUTIONS		
TRITOLYL PHOSPHATE	1	
TUNA OIL	3	60
TUNG OIL	3	60
TUNNY FISH OIL	3	60
TURBINE FUEL		
TURBINE OIL	16	
TURBO FUEL		
TURBO FUEL A-1		
TURKEY RED OIL	3	
TURPENTINE		
TURPENTINE OIL		
TURPENTINE SPIRIT		
TURPENTINE SUBSTITUTE	16	
TURPENTINE, OIL AND GUM		
TURPS		
U.S. WHITE OIL		
UNDECANE		
UNDECANOL		
UNDECANONE	4	
UNDECENE,1-		
UNDECYL ALCOHOL		
UNDECYLBENZENE		
UNDECYLENE, ALPHA		
UNFINISHED KEROSENE (SEE KEROSENE)		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
UNFINISHED PETROLEUM NAPHTHA		
UNFINISHED VIRGIN NAPHTHA		
UNSLAKED LIME		
UREA		
UREA (SATURATED)		
UREA 25%/FORMALDEHYDE 60%/WATER 15%		
UREA 50% IN WATER		60
UREA AMMONIUM NITRATE 32% IN WATER		
UREA AMMONIUM NITRATE SOLUTION	16	
UREA AMMONIUM NITRATE/PHOSPHATE SOLN.		
UREA AMMONIUM SOLN		
UREA FORMALDEHYDE BUTYLATED		
UREA FORMALDEHYDE RESIN SOLN		
UREA RESIN SOLN		
UREA SOLUTION	16	
UREA WATER	16	
UREA/AMMONIUM NITRATE SOLN	16	
UREA/AMMONIUM NITRATE SOLN CONT AQUA AMM		
UREA/AMMONIUM PHOSPHATE SOLN		
UREA/AMMONIUM PHOSPHATE/POTASSIUM CHL SO		
UREUM		
V,M AND P NAPHTHA		
VEGETABLE OILS	16	
VEGETABLE OILS, CRUDE	3.16	
VEGETABLE OILS, REFINED	3.16	
VEGETABLE PROTEIN SOLN (HYDROLYSED)		
VENETIAN TURPENTINE		
VINASSE	2	60
VINASSE CITRAGIL	2	60
VINYL (PELLETS, DRY)		
VINYL CHLORIDE	1.4	
VINYLBENZENE	6.8	
VINYLBENZOL	6.8	
VINYLETHYLENE		
VINYLTOLUENE	4.8	
VIRGIN NAPHTHA		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
VOLATILE OIL OF MUSTARD		60
WALNUT OIL	3	40
WATER		50
WATER GLASS		
WATER, DEIONISED-		50
WATER, DISTILLED-		50
WATER, SALT-		50
WATER, SEA-		50
WAX	16	
WAX PETROLEUM		70
WAXES	16	
WHALE FAT	3	60
WHALE OIL	3	60
WHITE CAMPHOR OIL		
WHITE CAUSTIC 50%		60
WHITE CAUSTIC SOLN 75%		60
WHITE GASOLINE		
WHITE MINERAL OIL		
WHITE OIL		
WHITE ROCK LIME		
WHITE SPIRIT	16	
WHITE SPIRIT 150 (MINERAL SPIRITS)		
WHITE SPIRIT 160/180		
WHITE SPIRIT AUTOMOTIVE		
WHITE SPIRIT HIGH AROMATIC		
WHITE SPIRIT HIGH FLASH POINT		
WHITE SPIRIT W 50		
WHITE SPIRIT, LOW (15-20%) AROMATIC		
WHITE SPIRIT, LOW AROMATIC		
WOOD OIL	3	60
WOOD TURPENTINE		
WOOL FAT	3	60
WOOL GREASE	3	50
XENENE		
XYLENE INDUSTRIAL		
XYLENE META,ORTHO,PARA,		

# PPG NOVAGUARD™ 840

## Chemical Resistance Guide

### PPG NOVAGUARD 840 - positive list

Chemical Environment	Ref. Note	Max. Temp.
XYLENE MIXED		
XYLENE ORTHO		
XYLENES		
YELLOW GREASE	3	60
YELLOW WAX		70
ZINC ALKARYL DITHIOPHOSPHATE (C3-C8)		
ZINC ALKARYL DITHIOPHOSPHATE (C7-C16)		
ZINC ALKARYL DITHIOPHOSPHATE(C9-C14)		
ZINC ALKYL DITHIOPHOSPHATE (C3-C14)		

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