



JOTUN

Tank Lining Resistance List

Tank Lining Resistance List

Tankguard HB

High build epoxy

- Flexible DFT range 80–150µm
- Easy to apply 3 coat system
- Smooth surface after application
- Easy to clean when required
- Light colours for easy inspection
- Excellent resistance list

Tankguard Storage

Phenolic epoxy

- Flexible DFT range 125–200µm
- Easy to apply – 2 coat system can be applied in 1 day
- Extended over-coating – 30 days allows for delays
- Good curing times – shorter down time
- Self as holding primer maintains system integrity
- Def Stan 80/97 certificate for jet A1 storage
- Spanish equivalent of Mil
- Spec 4566E for jet A1 storage
- Chemicals 70°C
- Crude oil 95°C
- Water 95°C

Tankguard 412

Solvent free epoxy

- Solvent free technology
- No solvent entrapment
- High build system 1–2 x 500µm
- Can be applied by standard airless spray
- Can be used in concrete bund protection
- No shrinkage
- Resistant to a range of petroleum products
- Crude oil up to 60°C
- Potable Water BS 6920
- Pit filling capability
- VOC compliant to current European legislation

Resist GTI

Ethyl silicate based zinc rich

- One coat system
- Flexible DFT range 50–100µm
- Virtually no dry spray
- Smooth surface after application meaning no sanding
- Easily recoatable with self for touch up
- Easy to clean when required

Resist 5 WF

Water-borne inorganic zinc silicate

- One coat system
- Flexible DFT range 100–200µm
- Less dry spray
- Over-coat with itself even after prolonged curing
- Thin and clean with water
- Reduced risk of mud-cracking
- Excellent track record
- 75% volume solid
- Cures harder than solvent borne silicates

A properly applied Jotun protective coating system will give long lasting protection, both of the tank itself and its contents.

The following list shows various chemicals where Jotun protective coatings may be suitable. The recommendations are based on continuous testing. Change of products as well as the time between the different products are not tested. If in doubt, contact the Jotun Technical Service Department.

The resistance list is based on pure chemicals or water solutions of these.

NR stands for NOT RESISTANT and is noted when the Jotun protective coatings cannot be recommended.

Many factors may influence the lifetime of the system including:

- the system itself (number of coats, film thickness etc)
- conditions during application and curing
- storage time and temperature of the chemical purity of the cargo

The information in this brochure is provided to the best of our knowledge, however, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. Jotun protective coatings must be applied in accordance with the information contained in the Technical Data Sheet.

Notes to the Resistance List

R: Recommended

Note: Recommended but see specific note

NR: Not recommended

FS: Further specification needed

NT: Not tested

Recommendations are based on temperatures not exceeding 40°C.

Products that are viscous or solid at normal temperatures can be stored under maximum 70°C.

Exceptions are when there is a maximum temperature given in the Resistance List.

Note 1. Coating discoloration

The coating may be discoloured from this cargo. This discolouration will not affect the chemical resistance of the coating.

Note 2. Beverage and potable liquids

Although the coatings are resistant to these cargoes, no warranties can be made on the effect on taste or odour from the coating on the beverages and potable liquids.

Note 3. Unleaded gasoline, Tankguard Storage

Many unleaded gasolines may have added considerable amounts of oxygenated solvents. Methyl tert-butyl (MTBE) is the most common additive.

- Tankguard Storage is fully resistant to gasoline containing MTBE as the only oxygenated additive.
- Tankguard Storage is resistant to gasoline containing the below listed additives provided the concentration is less than 20% by weight:

Butanol

Ethanol

Isobutanol

Methanol

For unleaded gasoline containing other additives or concentrations of additives than mentioned in this note, Jotun Paints should be consulted.

Note 4. Palm oil products, animal and vegetable oils and fats

Palm oil products may contain residues of sulphuric acid from the refining process. The palm oil products must comply with the PORIM specification of Malaysia and be absolutely free from mineral acids.

Animal or vegetable oils contain varying amounts of free fatty acids (ffa) according to origin and age of oil. Solid or semi-solid products might be stored at elevated temperatures and this will increase the acidity. The acid value (ASTM D-1980) should not exceed 30 in tanks coated with Tankguard HB and 80 in tanks coated with Tankguard Storage.

In addition, the maximum acceptable content of water shall be 1%.

Note 5. Contamination of product stored

Due to the properties of the coating there is a possibility of a slight zinc pick up in the product stored. The zinc pick up has no effect on the coating but may affect the quality of the product stored.

Note 6. Hydrolysable products and amines

Esters, chlorinated and brominated compounds and amines will react with any moisture present in the tank to form acids or alkalis that will attack the coating. Such products must therefore be free from moisture and stored in completely dry tanks that are protected against water leaks.

Note 7. Crude oil

Crude oil and fuel oil may contain variable amounts of acidic materials and the acid value should be determined and Jotun consulted before crude oil is stored in tanks coated with Resist GTI or Jotacote 5.

Maximum acceptable neutralisation number is 0,4 (ASTM D-664)

Note 8. Unleaded gasoline Tankguard HB

Many unleaded gasolines may have added considerable amounts of oxygenated solvents. Methyl tert-butyl ether (MTBE) is the most common additive.

- Tankguard HB is fully resistant to gasoline containing MTBE as the only oxygenated additive in provided the concentration is less than 20% by volume.
- Gasoline containing the below listed additives must be carried in Tankguard HB in accordance with the provisions in Reference Note LR2.

The following maximum concentrations of other additives are acceptable (% volume):

2,0% ethanol

1,0% methanol

5,0% isopropanol

For unleaded gasolines containing other additives or concentrations of additives than mentioned in this note, Jotun should be consulted before loading.

| Chemical | Tankguard HB | Tankguard Storage | Tankguard 412 | Resist GT/ Resist 5 WF |
|--------------------------------------|--------------|-------------------|---------------|---------------------------|
| (Balsamöl) (G) | R | R | R | R |
| (Terpentinoel) (G) | R | R | R | R |
| 00813 Marine Diesel Blend* (*™ Famm) | R | R | R | R |
| 1,2 - Dimethyl Benzene | R | R | NT/FS | R |
| 1,2,3,Propane Triol | R, 60°C | R, 60°C | NT/FS | R |
| 1,2,3-Furaldehyd (N) | R, 60°C | R, 60°C | NT/FS | R |
| 1,2,3-Propanetriol | R, 60°C | R, 60°C | NT/FS | R |
| 1,2,3-Propantriol (N) | R, 60°C | R, 60°C | NT/FS | R |
| 1,2,3-Trihydroxypropane | R, 60°C | R, 60°C | NT/FS | R |
| 1,2,3-Trimethylbenzene | R | R | NR | R |
| 1,2,4-Trimethylbenzene | R | R | NR | R |
| 1,2-DICHLOROPROPANE | NR | NR | NR | R, Note 6 |
| 1,2-Dihydroxyethane | R | R | R | R, Note 5 |
| 1,2-Dimethylbenzen (N) | R | R | NT/FS | R |
| 1,2-Etandiol (N) | R | R | R | R, Note 5 |
| 1,2-Ethanediol | R | R | R | R, Note 5 |
| 1,3 - Dimethylbenzene | R | R | NT/FS | R |
| 1,3,5-Trimethylbenzene | R | R | NT/FS | R |
| 1,4 - Dimethyl benzene | R | R | NT/FS | R |
| 1,4-Dimetylbenzen (N) | R | R | NT/FS | R |
| 1-Butanol | NR | R | NR | R |
| 1-Butanol (N) | NR | R | NR | R |
| 1-Butylalkohol (N) | NR | R | NR | R |
| 1-Hydroxybutane | NR | R | NR | R |
| 1-Methylpropyl acetate | NR | NR | NR | R, Note 6 |
| 1-Phenyldecane | R | R | NT/FS | R |
| 1-Phenyltetradecane | R | R | NT/FS | R |
| 1-Phenyltridecane | R | R | NT/FS | R |
| 1-Phenylundecane | R | R | NT/FS | R |
| 2,4-Diisocyanatotoluene | R | R | NR | R |
| 2,4-Toluene diisocyanate | R | R | NR | R |
| 2,4-Tolulene diisocyanate | R | R | NR | R |
| 2,4-Tolyene diisocyanate | R | R | NR | R |
| 2-Butanol acetate | NR | NR | NR | R, Note 6 |
| 2-Butanon (N) | NR | NR | NR | R |
| 2-Butanone | NR | NR | NR | R |
| 2-Butanone (*Shell) | NR | NR | NR | R |
| 2-Butyl acetate | NR | NR | NR | R, Note 6 |
| 2-Furancarbinol | NR | NR | NR | R |
| 2-Furanmethanol | NR | NR | NR | R |
| 2-Furylcarbinol | NR | NR | NR | R |
| 2-Furylmethanol | NR | NR | NR | R |
| 2-Hydroxymethylfuran | NR | NR | NR | R |
| 2-Hydroxypropanoic acid | R | R | NR | NR |

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Exceptions are when there is a maximum temperature given in the Resistance List

| Chemical | Tankguard HB | Tankguard Storage | Tankguard 412 | Resist GT/ Resist 5 WF |
|--|-----------------|-------------------|-----------------|---------------------------|
| 2-Methyl-1-propyl acetate | NR | NR | NR | R, Note 6 |
| 2-Methylbutane | R | R | R | R |
| 2-Methylpropyl acetate | NR | NR | NR | R, Note 6 |
| 2-methylpropylmethylketone | NR | NR | NR | R |
| 31160 Gasoline 91 Ron, Unleaded* (*Texaco) | R | R | NT/FS | R, Note 5 |
| 31161 Gasoline 95 Ron, Unleaded* (*Texaco) | R | R | NT/FS | R, Note 5 |
| 4-Methyl-2-pentanone | NR | NR | NR | R |
| 4-Methylpentan-2-one | NR | NR | NR | R |
| 4-Metyl-2-pentanon (N) | NR | NR | NR | R |
| 607 Fluid* (*TRADENAME Exxon) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| 95 Octane RON (*BP) | R | R | R | R, Note 5 |
| 97 Octane (*BP) | R | R | R | R, Note 5 |
| 98 Octane (*BP) | R | R | R | R, Note 5 |
| AC1 | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Acetic acid | NR | NR | NR | NR |
| Acetic acid (aqueous) | NR | NR | NR | NR |
| Acetic acid butyl ester | NR | NR | NR | R, Note 6 |
| Acetic acid glacial | NR | NR | NR | NR |
| Acetic acid, 1-methylpropyl ester | NR | NR | NR | R, Note 6 |
| Acetic acid, 2-methylpropyl ester | NR | NR | NR | R, Note 6 |
| Acetic acid, iso-butyl ester | NR | NR | NR | R, Note 6 |
| Acetic acid, n-butyl ester | NR | NR | NR | R, Note 6 |
| Acetic acid, sec-butyl ester | NR | NR | NR | R, Note 6 |
| Acetylsäure (G) | NR | NR | NR | NR |
| Acrylic acid, isobuty ester | NR | NR | NR | R, Note 6 |
| Agha Jari | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1,7,70°C |
| Aircraft Gasoline | R | R | R | R, Note 5 |
| Alcohols (C6+) | R | R | R | R |
| Alcohols, C4 and above | NR | R | NR | R |
| Alkyl (C9 – C17) benzene | R | R | NT/FS | R |
| ALKYL (C9+) BENZENES | R | R | NT/FS | R |
| Alkylat (*ExxonMobil) | R | R | NT/FS | R |
| Alkylate *(Petrochal) | R, Note 1 | R, Note 1 | NT/FS | R, Note 1 |
| Alkylate *(Petrogal) | R, Note 1 | R, Note 1 | NT/FS | R, Note 1 |
| alpha-Furylcarbinol | NR | NR | NR | R |
| alpha-Hydroxypropionic acid | R | R | NR | NR |
| alpha-Hydroxytoluene | NR | R | NR | R |
| Alphahydroxytoluol | NR | R | NR | R |
| AMMONIA AQUEOUS (28% OR LESS) | NR | R | NR | NR |
| AMMONIA AQUEOUS,28%-30% (various grades) | NR | R | NR | NR |
| Ammonia hydrate | NR | R | NR | NR |
| Ammonia solution | NR | R | NR | NR |
| ammonia solution | NR | R | NR | NR |
| Ammonia solutions (28% or less) | NR | R | NR | NR |

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|--------------------------------------|-----------------|-------------------|-----------------|---------------------------|
| Ammonia water | NR | R | NR | NR |
| Ammonia water, 28% or less | NR | R | NR | NR |
| Ammonium hydrate | NR | R | NR | NR |
| Ammonium hydroxide | NR | R | NR | NR |
| Ammonium hydroxide solution | R | R | NR | NR |
| Ammonium hydroxide, 28% or less | NR | R | NR | NR |
| Amna | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 7, 70°C |
| Amyl hydride | R | R | R | R |
| Anchovy Oil | R, Note 4 | R, Note 4 | NT/FS | R, Note 4 |
| Anthracene oil (coal tar fraction) | R, Note 1 | R, Note 1 | R, Note 1, 60°C | R, Note 1 |
| Antifreeze* (*DOW) | R | R | R | R, Note 5 |
| APF 310D* (*ExxonMobil) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Aqua ammonia | NR | R | NR | NR |
| aqua ammonia | R, Note 1 | Note 1 | NR | R, Note 1 |
| Arabian heavy | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 7, 70°C |
| Arabian light (Ras Tanura) | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 7, 70°C |
| Arabian light (Sidon) | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 7, 70°C |
| Arabian medium | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 7, 70°C |
| Aramco | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 7, 70°C |
| Aromatic concentrate | R, Note 1 | R, Note 1 | NT/FS | R, Note 1 |
| AROMATIC CONCENTRATE GRADE 1 | R, Note 1 | R, Note 1 | NT/FS | R, Note 1 |
| Aromatic hydrocarbons, mixed | R | R | NR | R |
| Arzew | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 7, 70°C |
| Asphalt | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 70°C |
| Asphalt bitumen | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 70°C |
| Asphalt cements | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 70°C |
| Asphalt emulsions | NT/FS | NT/FS | NT/FS | NT/FS |
| Asphalt solution | NT/FS | NT/FS | NT/FS | NR |
| Asphaltic bitumen | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 70°C |
| Asphaltum | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 70°C |
| Astrail oil | R | R | R | R, Note 5 |
| Atosol 150 (*Atofina) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Automotive Coolant 007/400 F (*BASF) | R | R | R | R, Note 5 |
| Automotive Coolant 012/600 (*BASF) | R | R | R | R, Note 5 |
| Automotive Diesel Oil (*Oil Tanking) | R | R | R | R |
| AUTOMOTIVE GASOLINE | R | R | NT/FS | R, Note 5 |
| Avcat | R | R | R | R, Note 5 |
| Avgas | R | R | R | R, Note 5 |
| Avgas 100 LL* (*TRADENAME Shell) | R | R | R | R, Note 5 |
| Aviation fuel 100/130 | R | R | R | R, Note 5 |
| Aviation fuel 115/145 | R | R | R | R, Note 5 |
| Aviation fuel 96/90 | R | R | R | R, Note 5 |
| AVIATION GASOLINE | R | R | R | R, Note 5 |
| Aviation gasoline | R | R | R | R, Note 5 |

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|-----------------------------------|-----------------|-------------------|----------------|---------------------------|
| Aviation gasoline - grade 100 | R | R | R | R, Note 5 |
| Aviation gasoline - grade 100LL | R | R | R | R, Note 5 |
| Aviation gasoline - grade 80 | R | R | R | R, Note 5 |
| Aviation Kerosene | R | R | R | R, Note 5 |
| Aviation kerosene | R | R | R | R, Note 5 |
| Aviation spirit | R | R | R | R, Note 5 |
| Aviation turbo fuel | R | R | R | R, Note 5 |
| AVTAG | R | R | R | R, Note 5 |
| AVTUR (*Oil Tanking) | R | R | R | R, Note 5 |
| Bachaquero (Heavy) | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Bachaquero (Medium) | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Bahia | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Bai Hassan / Jambur | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Bakr | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Barataria | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Barco | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Basrah | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Battery acid | NR | NR | NR | NR |
| Baxterville | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Beat molasses | R | R | R | NR |
| Belayim Land | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Belayim Marine | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Benzene | NR | R | NR | R |
| Benzene carbinol | NR | R | NR | R |
| Benzene methanol | NR | R | NR | R |
| Benzene, 1,3-diisocyanatomethyl- | R | R | NR | R |
| Benzene, dimethyl- 1,4 | R | R | NR | R |
| benzene, dimethyl-1,3 | R | R | NR | R |
| benzene, dimetyl-1,2 | R | R | NR | R |
| Benzene, hydroxy- | NR | NR | NR | NR |
| Benzene, methyl- | NR | R | NR | R |
| Benzene, nitro- | NR | R | NR | R, Note 6 |
| Benzophenol | NR | NR | NR | NR |
| Benzyl alcohol | NR | R | NR | R |
| BENZYL ALCOHOL | NR | R | NR | R |
| Benzylalkohol (G) | NR | R | NR | R |
| Benzylalkohol (N) | NR | R | NR | R |
| beta-Methylpropyl ethanoate | NR | NR | NR | R, Note 6 |
| Bitumen | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1, 70°C |
| Bitumen | R, Note 1, 70°C | R, Note 1,85°C | R, Note 1,60°C | R, Note 1, 70°C |
| Blackstrap | R | R | R | NR |
| Bleached Palm Kernel Oil | R, Note 4, 60°C | R, Note 4, 85°C | NT/FS | NR |
| Bolivian Mix | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| BOP Cyclics 5206177 (*ExxonMobil) | R | R | R | R |

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|---|-----------------|-------------------|----------------|---------------------------|
| Capelin Oil | R, Note 4 | R, Note 4 | NR | R, Note 4 |
| Carbolic acid | NR | NR | NR | NR |
| Carpenteria mix | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Casabe | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Caustic Blend* (*DOW) | R | R | R | NR |
| Caustic potash | R | R | R | NR |
| Caustic potash liquer solution | R | R | R | NR |
| Caustic potash solution | R | R | R | NR |
| Caustic Pur* (*DOW) | R | R | R | NR |
| Caustic reg* (*DOW) | R | R | R | NR |
| Caustic soda | R | R | R | NR |
| Caustic Soda 50% (*Shell) | R | R | R | NR |
| Caustic soda solution | R | R | R | NR |
| Caustic soda solution | R | R | R | NR |
| Caustic soda-Lye | R | R | R | NR |
| Centa | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Central Louisiana | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Centro Del Lago | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Certex 67 Special (*Exxon Mobile Trade Name) | R | R | R | R |
| Certrex 67 | R | R | R | R |
| Ceuta | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Chamber acid | NR | NR | NR | NR |
| Chemstop | NR | NR | NR | NR |
| Cicuco | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Cleaner Unleaded (*Tradename BP) | R | R | R | R, Note 5 |
| Coal tar | R, Note 1 | R, Note 1 | R, Note 1,60°C | R, Note 1 |
| Coal tar distillate | R, Note 1 | R, Note 1 | NR | R, Note 1 |
| Coal tar naphtha | R, Note 1 | R, Note 1 | R, Note 1,60°C | R, Note 1 |
| Coal tar naphtha | R, Note 1 | R, Note 1 | NR | R, Note 1 |
| Coal tar naphtha solvent | R, Note 1 | R, Note 1 | NR | R, Note 1 |
| Coastal heavy | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Cod Oil | R, Note 4 | R, Note 4 | NR | R, Note 4 |
| Concentrate G 99-26 (*Tradename BASF) | R | R | NT/FS | R, Note 5 |
| Converter* (*Common Usage for Molasses (Pro-I | R | R | R | NR |
| Coolant D 542 (*BASF) | R | R | NT/FS | R, Note 5 |
| Coolant D 995M (*BASF) | R | R | NT/FS | R, Note 5 |
| Coolant LX 104 nap free (*BASF) | R | R | NT/FS | R, Note 5 |
| Crude C9 (Petrol C9 Aromatics)* (*ICI) | R | R | NT/FS | R |
| Crude coal tar | R, Note 1 | R, Note 1 | R, Note 1,60°C | R, Note 1 |
| Crude coconut oil | R, Note 4, 60°C | R, Note 4, 85°C | NT/FS | NR |
| Crude Fish Oil | R, Note 4 | R, Note 4 | NT/FS | R, Note 4 |
| Crude Naphtha | R, Note 1 | R, Note 1 | R, Note 1 | R |
| CRUDE OIL | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Crude oil | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |

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| Crude oil/brine | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Crude palm kernel oil | R, Note 4, 60°C | R, Note 4, 85°C | NT/FS | NR |
| Crude Palm Kernel Oil (CPKO) | R, Note 4, 60°C | R, Note 4, 85°C | NT/FS | NR |
| Crude palm oil | R, Note 4, 60°C | R, Note 4, 85°C | NT/FS | NR |
| Crude solvent coal tar naphta | R, Note 1 | R, Note 1 | NR | R, Note 1 |
| Crude Sulfate Turpentine | R | R | R | R |
| Crude turpentine | R | R | R | R |
| Cumarebo | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Cyclo Sol 100 (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Cyclo Sol 150 (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Cyclo Sol 53 Aromatic Solvent (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Cyclo Sol 63 Aromatic Solvent (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Cyclodiene Concentrate (*ExxonMobil) | R | R | R | R |
| Cyclohexanol | R | R | R | R |
| Cyclohexanon (Anon rein) (*BASF) | NR | NR | NR | R |
| Cyclohexanon, (Anon) (G) | NR | NR | NR | R |
| Cyclohexanone | NR | NR | NR | R |
| Cyclohexanone (*ExxonMobil) | NR | NR | NR | R |
| Cyclohexanone (*Shell) | NR | NR | NR | R |
| Cyclohexanone* (DSM Fibre Intermediates) | NR | NR | NR | R |
| Cyclohexyl ketone | NR | NR | NR | R |
| Cykloheksanon (N) | NR | NR | NR | R |
| Cypar 7 (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Cyrus | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| D O turpentine | R | R | R | R |
| D.D. turpentine | R | R | R | R |
| Darius | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Debenzenized Steam Cracked Naphtha (*Esso) | R | R | R | R |
| Decyl benzene | R | R | NT/FS | R |
| Delta Ostrica | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| De-mineralised water | R | R | R | NR |
| Detergent alkylate* (*IBC Code) | R | R | NT/FS | R |
| Dhara | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Diesel fuel | R | R | R | R |
| Diesel Fuel (*Oil Tanking) | R | R | R | R |
| Diesel fuel (marine) | R | R | R | NR |
| Diesel Fuel Oil (*Oil Tanking) | R | R | R | R |
| Diesel fuel oil no.1 | R | R | R | R |
| Diesel fuel oil no.2 | R | R | R | R |
| Diesel fuel oil no.4 | R | R | R | R |
| DIESEL OIL | R | R | R | R |
| Diesel oil (marine) | R | R | R | R |
| Diesel oil 1 | R | R | R | R |
| Diesel oil 2 | R | R | R | R |

R: Recommended

Note: Recommended but see specific note

NR: Not recommended

FS: Further specification needed

NT: Not tested

Recommendations are based on temperatures not exceeding 40°C.

Products that are viscous or solid at normal temperatures can be stored under maximum 70°C.

Exceptions are when there is a maximum temperature given in the Resistance List

| Chemical | Tankguard HB | Tankguard Storage | Tankguard 412 | Resist GT/ Resist 5 WF |
|---|-----------------|-------------------|----------------|---------------------------|
| Diethylene Glycol | R | R | R | R |
| DIETHYLENE GLYCOL | R | R | R | R |
| Diglycol | R | R | R | R |
| dimethyl- | R | R | NT/FS | R |
| Dimethyl benzene | R | R | NT/FS | R |
| Dimethyl, - | R | R | NT/FS | R |
| Dimethylbenzene, 1,2 - | R | R | NT/FS | R |
| Dimethylbenzene, 1,3 - | R | R | NT/FS | R |
| Dimethylbenzene, 1,4 - | R | R | NT/FS | R |
| Dimethylbenzol (G) | R | R | NT/FS | R |
| Dipping acid | NR | NR | NT/FS | NR |
| Distilled water | R | R, 85°C | R | NR |
| Drift river mix | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Drilling brine: potassium chloride solution | R | R | NT/FS | NR |
| DRILLING BRINES: CALCIUM BROMIDE SOL.,CALCIUM | R | R | NT/FS | NR |
| Drinking water | R, Note 2 | R, Note 2 | R,50°C | NR |
| Duri | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| E.B. | R | R | NT/FS | NR |
| Earth Oil | | | R, Note 1,60°C | |
| Eddiksyre (N) | NR | NR | NR | NR |
| Edjehe | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Ehtylene crakcer residues | R | R | NR | R |
| El Morgan | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Eocene | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Es Sider | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Essence of mirbane | NR | R | NR | R, Note 6 |
| Essigsaurer chem. rein (*BASF) | NR | NR | NR | NR |
| Essigsaurer sek-butylester (G) | NR | NR | NR | R, Note 6 |
| Essigsaurerbutylester (G) | NR | NR | NR | R, Note 6 |
| Essigsäure (G) | NR | NR | NR | NR |
| Etansyre (N) | NR | NR | NR | NR |
| Ethandiol | R | R | NR | R, Note 5 |
| Ethanoic acid | NR | NR | NR | NR |
| Ethanol | NR | NR | NR | R |
| ETHYL ALCOHOL | NR | NR | NR | R |
| Ethyl benzol | R | R | NT/FS | NR |
| Ethyl methyl ketone | NR | NR | NR | R |
| Ethyl methyl ketone (*Shell) | NR | NR | NR | R |
| Ethylbenzene | R | R | NT/FS | NR |
| ETHYLBENZENE | R | R | NT/FS | NR |
| Ethylbenzene (*Shell) | R | R | NT/FS | NR |
| Ethylbenzol | R | R | NT/FS | NR |
| Ethylbenzol (*BASF) | R | R | NT/FS | NR |
| Ethylidimethylmethane | R | R | R | R |

R: Recommended

Note: Recommended but see specific note

NR: Not recommended

FS: Further specification needed

NT: Not tested

Recommendations are based on temperatures not exceeding 40°C.

Products that are viscous or solid at normal temperatures can be stored under maximum 70°C.

Exceptions are when there is a maximum temperature given in the Resistance List

| Chemical | Tankguard HB | Tankguard Storage | Tankguard 412 | Resist GT/ Resist 5 WF |
|---------------------------------------|-----------------|-------------------|----------------|---------------------------|
| Ethylene alcohol | R | R | R | R, Note 5 |
| Ethylene cracker residues | R, Note 1 | R, Note 1 | R | R, Note 1 |
| Ethylene dihydrate | R | R | R | R, Note 5 |
| Ethylene glycol | R | R | R | R, Note 5 |
| ETHYLENE GLYCOL | R | R | R | R, Note 5 |
| ETHYLENE GLYCOL | R | R | R | R, Note 5 |
| Ethylene Glycol (*Shell) | R | R | R | R, Note 5 |
| Ethylglykol (*BASF) | R | R | R | R, Note 5 |
| Etylbenzen (N) | R | R | NT/FS | NR |
| Exxon MEK* (*ExxonMobil) | NR | NR | NR | R |
| Exsol D 130 | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Fateh | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Federated P.L. Mix | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Fella/Sunniland | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Fenol | NR | NR | NR | NR |
| Fenol (N) | NR | NR | NR | NR |
| Fenyletan (N) | R | R | NT/FS | NR |
| Fertilizer acid | NR | NR | NR | NR |
| Fish Liver Oil** | R, Note 4 | R, Note 4 | NT/FS | R, Note 4 |
| Fish oil | R, Note 4 | R, Note 4 | NT/FS | R, Note 4 |
| FISH OIL | R, Note 4 | R, Note 4 | NT/FS | R, Note 4 |
| Flour Buff | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Forcados (Nig.Med.) | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Fosforsyre (N) | NR | NR | NR | NR |
| Fractionated Fish Oil | R, Note 4 | R, Note 4 | NT/FS | R, Note 4 |
| Fractionated Palm Kernel Oil | R, Note 4, 60°C | R, Note 4, 85°C | NT/FS | NR |
| Fuel Jet Super | R | R | R | R, Note 5 |
| Fuel Oil | R | R | R | R |
| Fuel oil D-1 | R | R | R | R |
| Fuel oil D-2 | R | R | R | R |
| Fuel oil D-4 | R | R | R | R |
| Fuel Oil no.1 (Kerosene) | R | R | R | R |
| Fuel Oil no.1-D | R | R | R | R |
| Fuel Oil no.2 | R | R | R | R |
| Fuel Oil no.2-D | R | R | R | R |
| Fuel Oil no.4 | R | R | R | R |
| Fuel Oil no.5 | R | R | R | R |
| Fuel Oil no.6 | R | R | R | R |
| Fuel Tar* (*TRADENAME RTC Chemical) | R, Note 1 | R, Note 1 | NR | R, Note 1 |
| Furancarbinol, 2- | NR | NR | NR | R |
| Furfuralcohol | NR | NR | NR | R |
| Furfuryl alcohol | NR | NR | NR | R |
| FURFURYL ALCOHOL | NR | NR | NR | R |
| Furfuryl Alcohol (*Illovo Sugar Ltd.) | NR | NR | NR | R |

R: Recommended

Note: Recommended but see specific note

NR: Not recommended

FS: Further specification needed

NT: Not tested

Recommendations are based on temperatures not exceeding 40°C.

Products that are viscous or solid at normal temperatures can be stored under maximum 70°C.

Exceptions are when there is a maximum temperature given in the Resistance List

| Chemical | Tankguard HB | Tankguard Storage | Tankguard 412 | Resist GT/ Resist 5 WF |
|---|-----------------|-------------------|----------------|---------------------------|
| Furfuryl carbinol | NR | NR | NR | R |
| Furfuryl carbinol, alpha- | NR | NR | NR | R |
| Furfurylalcohol | NR | NR | NR | R |
| Furylcarbinol | NR | NR | NR | R |
| Gach Saran | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Gamba | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Gas oil | R | R | R | R |
| Gas oil, low pour | R | R | R | R |
| Gas oil, low sulphur | R | R | R | R |
| Gasoil (*Oil Tanking) | R | R | R | R |
| Gasoline (regular) | R | R | NT/FS | R, Note 5 |
| Gasoline premium grade, leaded | R | R | NT/FS | R |
| Gasoline premium grade, unleaded | R, Note 8 | R, Note 3 | NT/FS | R |
| Gasoline regular grade, leaded | R | R | NT/FS | R |
| Gasoline regular grade, unleaded | R, Note 8 | R, Note 3 | NT/FS | R |
| Gasoline, aircraft | R | R | NT/FS | R, Note 5 |
| Gasoline, automotive | R | R | NT/FS | R, Note 5 |
| Gasoline, leaded | R | R | NT/FS | R |
| Gasoline, unleaded | R, Note 8 | R, Note 3 | NT/FS | R |
| Gen08 Intermediate Marine Fuel* (*™ Famm) | R | R | R | R |
| Gippsland Mix | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Glacial acetic acid | NR | NR | NR | NR |
| Glycerin | R, 60°C | R, 60°C | NR | R |
| Glycerin (G) | R, 60°C | R, 60°C | NR | R |
| Glycerine | R, 60°C | R, 60°C | NR | R |
| GLYCERINE | R, 60°C | R, 60°C | NR | R |
| Glycerine 99.7* (*DOW) | R, 60°C | R, 60°C | NR | R |
| Glycerine 99.8 % (*Henkel) | R, 60°C | R, 60°C | NR | R |
| Glycerine USP 96%* (*DOW) | R, 60°C | R, 60°C | NR | R |
| Glycerine USP 99.5%* (*DOW) | R, 60°C | R, 60°C | NR | R |
| Glycerol | R, 60°C | R, 60°C | NR | R |
| Glycerol (N) | R, 60°C | R, 60°C | NR | R |
| Glycol | R | R | R | R, Note 5 |
| Glycol | R | R | R | R, Note 5 |
| Glycol 774D | R | R | R | R, Note 5 |
| Glycol alcohol | R | R | R | R, Note 5 |
| Glycyl alcohol | R, 60°C | R, 60°C | R | R |
| Glykol (G) | R | R | R | R, Note 5 |
| Glykol (N) | R | R | R | R, Note 5 |
| Glystantin Konz. G 99-26 (*BASF) | R | R | R | R, Note 5 |
| Glystantine G 99 (*Tradename BASF) | R | R | R | R, Note 5 |
| Grand Isle | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Guanipa | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Gum spirits | R | R | R | R |

R: Recommended

Note: Recommended but see specific note

NR: Not recommended

FS: Further specification needed

NT: Not tested

Recommendations are based on temperatures not exceeding 40°C.

Products that are viscous or solid at normal temperatures can be stored under maximum 70°C.

Exceptions are when there is a maximum temperature given in the Resistance List

| Chemical | Tankguard HB | Tankguard Storage | Tankguard 412 | Resist GT/ Resist 5 WF |
|--------------------------------------|-----------------|-------------------|----------------|---------------------------|
| Gum turpentine | R | R | R | R |
| H.E.Y | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Hassi Messaoud | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Hawkins | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Heavy aromatic naphtha | R | R | R | R |
| Heavy fuel oil | R, 70°C | R, 85°C | R,60°C | R, 70°C |
| Heavy Gas Oil | R, 70°C | R, 85°C | R | R, 70°C |
| Heavy kerosene | R | R | R | R, Note 5 |
| Heavy Lake Mix (HLM) | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Hemimellitane | R | R | NR | R |
| Heptanol (All isomers) | R | R | R | R |
| Herring Oil | R, Note 4 | R, Note 4 | NT/FS | R, Note 4 |
| Hexanol | R | R | R | R |
| Hexanon | NR | NR | NR | R |
| Hexanone | NR | NR | NR | R |
| Hexone | NR | NR | NR | R |
| high benzene naphthas | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| High solvent naphta | R, Note 1 | R, Note 1 | NR | R, Note 1 |
| High temperature coal tar | R, Note 1 | R, Note 1 | R, Note 1,60°C | R, Note 1 |
| Hydraulic Oil GRO SYNT 46 | R | R | NT/FS | NR |
| Hydraulic Oil HLP SYNT 46 | R | R | NT/FS | NR |
| Hydrogen sulfate | NR | NR | NR | NR |
| Hydrogen sulphate | NR | NR | NR | NR |
| Hydrogenated Fish Oil | R, Note 4 | R, Note 4 | NT/FS | R, Note 4 |
| Hydrogenated Palm Kernel Oil | R, Note 4, 60°C | R, Note 4, 85°C | NT/FS | NR |
| Hydroxybenzene | NR | NR | NR | NR |
| Hydroxybenzene, mono- | NR | NR | NR | NR |
| Hydroxymethylfuran, 2- | NR | NR | NR | R |
| Hytrol O | NR | NR | NR | R |
| Idd El Shargi | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Illuminating oil | R | R | R | R |
| Imogene | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Industrial phosphoric acid | NR | NR | NR | NR |
| Ink Solvent 2427 (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Ink Solvent 2629 (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Ink Solvent 2629* (*TRADENAME Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Ink Solvent 2831 (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Interesterified Fish Oil | R, Note 4 | R, Note 4 | NT/FS | R, Note 4 |
| Interesterified Palm Kernel Oil | R, Note 4, 60°C | R, Note 4, 85°C | NT/FS | NR |
| Iranian heavy | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Iranian light | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Iso Butyl Acetate (*Shell) | NR | NR | NR | R, Note 6 |
| Isobutyl acetate | NR | NR | NR | R, Note 6 |
| iso-Butyl acetate* (*BP Chemicals) | NR | NR | NR | R, Note 6 |

R: Recommended
Note: Recommended but see specific note
NR: Not recommended
FS: Further specification needed
NT: Not tested

Recommendations are based on temperatures not exceeding 40°C.
Products that are viscous or solid at normal temperatures can be stored under maximum 70°C.
Exceptions are when there is a maximum temperature given in the Resistance List

| Chemical | Tankguard HB | Tankguard Storage | Tankguard 412 | Resist GT/ Resist 5 WF |
|--|-----------------|-------------------|----------------|---------------------------|
| iso-Butyl Acetate* (*™ Hoechst Celanese) | NR | NR | NR | R, Note 6 |
| iso-Butyl ethanoate* (*BP Chemicals) | NR | NR | NR | R, Note 6 |
| Isobutyl methyl ketone | NR | NR | NR | R |
| Isobutylacetat (*BASF) | NR | NR | NR | R, Note 6 |
| Isobutylmetylketon (N) | NR | NR | NR | R |
| Isocyanat 236i (*BASF) | R | R | NR | R |
| Isomerate (Light Virgin Naphtha) | R | R | R | R |
| Isopar E | R | R | R | R |
| Isopentane | R | R | R | R |
| Isopropanol | NR | NR | NR | R |
| ISOPROPYL ALCOHOL | NR | NR | NR | R |
| Isopropylacetone | NR | NR | NR | R |
| Jambur Bai Hassan | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Jet A (*Oil Tanking) | R | R | R | R, Note 5 |
| Jet A-1 (*Oil Tanking) | R | R | R | R, Note 5 |
| Jet fuel (All types) | R | R | R | R, Note 5 |
| JET FUEL JP-1 | R | R | R | R, Note 5 |
| JET FUEL JP-3 | R | R | R | R, Note 5 |
| JET FUEL JP-4 | R | R | R | R, Note 5 |
| JET FUEL JP-5 | R | R | R | R, Note 5 |
| JET FUEL, TURBO FUEL | R | R | R | R, Note 5 |
| Jet Kerosine (*Oil Tanking) | R | R | R | R, Note 5 |
| Joffre pygas | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| JP (Jet fuel, all types) | R | R | R | R, Note 5 |
| JP-1 (Kerosene) | R | R | R | R, Note 5 |
| JP-3 | R | R | R | R, Note 5 |
| JP-4 | R | R | R | R, Note 5 |
| JP-5 (Kerosene, Heavy) | R | R | R | R, Note 5 |
| JP-8 (*Oil Tanking) | R | R | R | R, Note 5 |
| Judean pitch | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1, 70°C |
| Jusepin | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Kaliumhydroksyd (N) | R | R | R | NR |
| Kaliumhydroxid (G) | R | R | R | NR |
| Kaustiches kali (G) | R | R | R | NR |
| KEROSENE | R | R | R | R |
| Kerosene | R | R | R | R |
| Kerosene (Fuel) (*ExxonMobil) | R | R | R | R |
| Kerosene Rocket Fuel 2095 | R | R | R | R |
| Kerosene Rocket Fuel 2495 | R | R | R | R |
| Kerosene* (*ExxonMobil) | R | R | R | R |
| Kerosine | R | R | R | R |
| Kerosine | R | R | R | R |
| Ketohexamethylene | NR | NR | NR | R |
| Khafji | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |

R: Recommended

Note: Recommended but see specific note

NR: Not recommended

FS: Further specification needed

NT: Not tested

Recommendations are based on temperatures not exceeding 40°C.

Products that are viscous or solid at normal temperatures can be stored under maximum 70°C.

Exceptions are when there is a maximum temperature given in the Resistance List

| Chemical | Tankguard HB | Tankguard Storage | Tankguard 412 | Resist GT/ Resist 5 WF |
|---|-----------------|-------------------|----------------|---------------------------|
| Khursaniyah | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Kiruk | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| KOH | R | R | R | NR |
| Kuhlerschutz G 48-24 (*BASF) | R | R | R | R, Note 5 |
| Kuhlerschutz G 51-43 (*BASF) | R | R | R | R, Note 5 |
| Kuhlerschutz G51-22 (*BASF) | R | R | R | R, Note 5 |
| Lactic acid | R | R | NR | NR |
| Lafitte Mix | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Lago Medio | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Lagomar 1 | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Lagunillas | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Lamp Kerosene | R | R | R | R |
| Lamp kerosene | R | R | R | R |
| Lamp Oil | R | R | R | R |
| Lamp oil | R | R | R | R |
| Latex, natural | R | R | NR | NR |
| Latex, synthetic | NT/FS | NT/FS | NT/FS | NT/FS |
| LAWS (*Shell) | R | R | NT/FS | R |
| LAWS* (*COMMON USAGE) | R | R | NT/FS | R |
| LB Solvent - Resin Grade* (*Koppers Industries) | R, Note 1 | R, Note 1 | NR | R, Note 1 |
| LDF 7 | R | R | R | R |
| Lead Replacement Petrol (*BP) | R | R | NT/FS | R, Note 5 |
| Lead-Free Four Star (*BP) | R | R | NT/FS | R, Note 5 |
| Leona (Tigre) | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Light Gas Oil | R | R | R | R |
| Light Virgin Naphtha | R | R | R | R |
| Liquid caustic potash solution | R | R | R | NR |
| Low aromatic white spirit* (*COMMON USAGE) | R | R | NT/FS | R |
| Low Boiling Point Cat-Cracked naphtha (Nerefco) | R | R | R | R |
| Lower Aromatic White Spirit (*Shell) | R | R | NT/FS | R |
| Lubricating oil | NT/FS | NT/FS | NT/FS | NT/FS |
| Lupranat T 80A (*BASF) | R | R | NT/FS | R |
| Lye solution | R | R | R | NR |
| Lye, Potash | R | R | R | NR |
| Lye, soda | R | R | R | NR |
| Lysine CMS (*BASF) | R | R | R | NR |
| m - Xylol | R | R | NT/FS | R |
| Mara | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Marine Fuel Oil 380 (*Shell) | R | R | R | R |
| Marlago | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Mc. Comb | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| MEG | R | R | R | R, Note 5 |
| MEG - Fibre Grade (*Shell) | R | R | R | R, Note 5 |
| MEG - Normal Grade (*Shell) | R | R | R | R, Note 5 |

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Recommendations are based on temperatures not exceeding 40°C.
Products that are viscous or solid at normal temperatures can be stored under maximum 70°C.
Exceptions are when there is a maximum temperature given in the Resistance List

| Chemical | Tankguard HB | Tankguard Storage | Tankguard 412 | Resist GT/ Resist 5 WF |
|------------------------------|-----------------|-------------------|----------------|---------------------------|
| MEG (*Shell) | R | R | R | R, Note 5 |
| MEK | NR | NR | NR | R |
| MEK (*Shell) | NR | NR | NR | R |
| MEK* (*ExxonMobil) | NR | NR | NR | R |
| MEK* (*Sasol) | NR | NR | NR | R |
| Menhaden Oil | R, Note 4 | R, Note 4 | NT/FS | R, Note 4 |
| Menhaden Stearin | R, Note 4 | R, Note 4 | NT/FS | R, Note 4 |
| Merey | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Mesa | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Mesitylene | R | R | NR | R |
| meta - Xylene | R | R | NT/FS | R |
| Metaphosphoric acid | NR | NR | NR | NR |
| meta-Phosphoric acid | NR | NR | NR | NR |
| Meta-Toluene Diisocyanate | R | R | NR | R |
| meta-Tolyene diisocyanate | R | R | NR | R |
| Metaxylene | R | R | NT/FS | R |
| Methacide | NR | R | NR | R |
| Methane carboxylic acid | NR | NR | NR | NR |
| Methanecarboxylic acid | NR | NR | NR | NR |
| Methanol | NR | NR | NR | R |
| Methyl acetone | NR | NR | NR | R |
| METHYL ALCOHOL | NR | NR | NR | R |
| Methyl Benzene | NR | R | NR | R |
| Methyl Benzol | NR | R | NR | R |
| Methyl chloride | NR | NR | NR | R, Note 6 |
| Methyl Ethyl Ketone | NR | NR | NR | R |
| METHYL ETHYL KETONE | NR | NR | NR | R |
| Methyl Ethyl Ketone (*Shell) | NR | NR | NR | R |
| Methyl isobutyl ketone | NR | NR | NR | R |
| METHYL ISOBUTYL KETONE | NR | NR | NR | R |
| METHYL tert-BUTYL ETHER | NR | R | NR | R |
| Methyl tertiary butyl ether | NR | R | NR | R |
| Methyl toluene | R | R | NR | R |
| Methyl-2-propyl-1-acetate | NR | NR | NR | R, Note 6 |
| Methylbenzene | NR | R | NR | R |
| Methylbenzene | NR | R | NR | R |
| Methylbenzol | NR | R | NR | R |
| Methylbenzol (G) | NR | R | NR | R |
| Methylisobutylketon (G) | NR | NR | NR | R |
| Methylolpropane | NR | R | NR | R |
| Methylphenylene diisocyanate | R | R | NR | R |
| Methylpropylethanoate-b | NR | NR | NR | R, Note 6 |
| Metylbenzen (N) | NR | R | NR | R |
| MIBK | NR | NR | NR | R |

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| Chemical | Tankguard HB | Tankguard Storage | Tankguard 412 | Resist GT/ Resist 5 WF |
|--|-----------------|-------------------|----------------|---------------------------|
| MIBK (*Shell) | NR | NR | NR | R |
| MIBK* (*ExxonMobil) | NR | NR | NR | R |
| MIBK* (*Sasol) | NR | NR | NR | R |
| MIK | NR | NR | NR | R |
| Milk acid | R | R | NR | NR |
| Minas | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Mineral jelly | R, 70°C | R, 85°C | R,60°C | R |
| Mineral pitch | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1, 70°C |
| Mineral Spirits 135 (*Shell) | R, Note 1 | R, Note 1 | NT/FS | R, Note 1 |
| Mineral Spirits 135 (Pecten Chemicals, Inc.) | R | R | NT/FS | R |
| Mineral wax | R, 70°C | R, 85°C | R,60°C | R |
| Mineral wax | R, 70°C | R, 85°C | R,60°C | R |
| Mirando | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Mixed Sweet | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Mixed Xylene | R | R | NT/FS | R |
| Mogas 95 RON (Shell) | R | R | R | R |
| MOLASSES | R | R | R | NR |
| Molasses | R | R | R | NR |
| Molasses (Pro-lix 37)* (*Westway) | R | R | R | NR |
| Mono ethylene glycol | R | R | R | R, Note 5 |
| Monoethylene glycol | R | R | R | R, Note 5 |
| Monoethylene glycol | R | R | R | R, Note 5 |
| Monoethylenglykol (*BASF) | R | R | R | R, Note 5 |
| Monohydroxybenzene | NR | NR | NR | NR |
| Mononitrobenzene | NR | R | NR | R, Note 6 |
| Monopropylene glycol | R | R | R | R, Note 5 |
| Moonie | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Mosul Kirkup | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Motor Gasoline (*Oil Tanking) | R | R | NT/FS | R, Note 5 |
| Motor spirit | R | R | NT/FS | R, Note 5 |
| Mototan | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| MR Solvent (*Sasol) | R | R | R | R |
| MTBE | NR | R | NR | R |
| MTBE (*Shell) | NR | R | NR | R |
| MTBE, methyl tert-butyl eter | NR | R | NR | R |
| m-Tolylene diisocyanate | R | R | NR | R |
| Murban | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| m-Xylene | R | R | NT/FS | R |
| Nadone | NR | NR | NR | R |
| Naphtha | R, Note 1 | R, Note 1 | NR | R, Note 1 |
| Naphtha aromatic | R | R | R | R |
| Naphtha coal tar | R, Note 1 | R, Note 1 | NR | R, Note 1 |
| Naphtha crude condensate | R, Note 1 | R, Note 1 | R | R, Note 1 |
| Naphtha heavy aromatic | R | R | R | R |

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| Chemical | Tankguard HB | Tankguard Storage | Tankguard 412 | Resist GT/ Resist 5 WF |
|--|-----------------|-------------------|----------------|---------------------------|
| NAPHTHA PETROLEUM | R | R | R | R |
| Naphtha safety solvent | R | R | NT/FS | R |
| NAPHTHA SOLVENT | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Naphtha Solvent Heavy (*Gadiv Petrochemical) | R, Note 1 | R, Note 1 | NR | R, Note 1 |
| Naphtha VM&P | R | R | R | R |
| Naphtha, coal tar | R, Note 1 | R, Note 1 | NR | R, Note 1 |
| Naphtha, Crude | R | R | R | R |
| Naphtha, heavy aromatic | R | R | R | R |
| Naphtha, light | R | R | R | R |
| National Premium Unleaded (*BP) | R | R | R | R, Note 5 |
| Natriumhydroksyd (N) | R | R | R | NR |
| Natriumhydroxid | R | R | R | NR |
| Natriumhydroxid (G) | R | R | R | NR |
| Natronlauge D ber. 100% (*BASF) | R | R | R | NR |
| NBA | NR | R | NR | R |
| NBA (*Shell) | NR | R | NR | R |
| NBD Palm Kernel Oil | R, Note 4, 60°C | R, Note 4, 85°C | NR | NR |
| n-Butanol | NR | R | NR | R |
| N-Butanol (*BASF) | NR | R | NR | R |
| n-Butanol 99.8% (*Rohm & Haas) | NR | R | NR | R |
| n-Butanol* (*ExxonMobil) | NR | R | NR | R |
| n-Butanol* (*Sasol) | NR | R | NR | R |
| n-Butyl acetat 98-100% (*BASF) | NR | NR | NR | R, Note 6 |
| n-Butyl Acetate (*BP Chemicals) | NR | NR | NR | R, Note 6 |
| n-Butyl Acetate (*Exxon Mobil) | NR | NR | NR | R, Note 6 |
| n-BUTYL ALCOHOL | NR | R | NR | R |
| n-Butyl ester of acetic acid | NR | NR | NR | R, Note 6 |
| n-Butylacetat (G) | NR | NR | NR | R, Note 6 |
| n-Butylalkohol (N) | NR | R | NR | R |
| Neutralized Palm Kernel Oil | R, Note 4, 60°C | R, Note 4, 85°C | NT/FS | NR |
| New Brightsol | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| New Brightsol (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Nigerian Blend | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Nigerian Light | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Nigerian Medium (Bonny) | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Nigerian Medium (Forcados) | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Nikisiki Mix | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Nitrobenzen (N) | NR | R | NR | R, Note 6 |
| Nitrobenzene | NR | R | NR | R, Note 6 |
| NITROBENZENE | NR | R | NR | R, Note 6 |
| Nitrobenzol | NR | R | NR | R, Note 6 |
| Nitrobenzol (*BASF) | NR | R | NR | R, Note 6 |
| Nitrobenzol (G) | NR | R | NR | R, Note 6 |
| No. 1 fuel oil | R | R | R | R, Note 5 |

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| Chemical | Tankguard HB | Tankguard Storage | Tankguard 412 | Resist GT/ Resist 5 WF |
|---|-----------------|-------------------|-----------------|---------------------------|
| Normal Butanol | NR | R | NR | R |
| Normal Butyl Alcohol (*Shell) | NR | R | NR | R |
| Normal pentane | R | R | R | R |
| normal-Butyl acetate | NR | NR | NR | R, Note 6 |
| Normalpentan (G) | R | R | R | R |
| Norpar 10 | R | R | R | R |
| Norpar 5 IT* (*EXXON Trade name) | R | R | R | R |
| North Lama | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 7, 70°C |
| North Louisiana | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 7, 70°C |
| North Zeta | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 7, 70°C |
| n-Pentane | R | R | R | R |
| n-Propyl carbinol | NR | R | NR | R |
| Octanol (All isomers) | R | R | R | R |
| Oficina | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 7, 70°C |
| Ohanet Sud | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 7, 70°C |
| Ó-Hydroxypropionic acid | R | R | NR | NR |
| Oil of mirbane | NR | R | NR | R, Note 6 |
| Oil of turpentine | R | R | R | R |
| Oil of vitriol | NR | NR | NR | NR |
| Oman | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 7, 70°C |
| Orito Mix | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 7, 70°C |
| ortho - Xylene | R | R | NT/FS | R |
| Orthophosphoric acid | NR | NR | NR | NR |
| ortho-Phosphoric acid | NR | NR | NR | NR |
| Orthophosphoric acid 59%-foodgrade* (*™Rotem) | NR | NR | NR | NR |
| Orthophosphoric acid 65%-foodgrade* (*™Rotem) | NR | NR | NR | NR |
| Orthophosphoric acid 70%-foodgrade* (*™Rotem) | NR | NR | NR | NR |
| Orthophosphoric acid 75%-foodgrade* (*™Rotem) | NR | NR | NR | NR |
| Orthophosphoric acid 80%-foodgrade* (*™Rotem) | NR | NR | NR | NR |
| Orthophosphoric acid 81%-foodgrade* (*™Rotem) | NR | NR | NR | NR |
| Orthophosphoric acid 85%-foodgrade* (*™Rotem) | NR | NR | NR | NR |
| Orthophosphoric acid 93%-foodgrade* (*™Rotem) | NR | NR | NR | NR |
| Orthoxylene | R | R | NT/FS | R |
| Orthoxylene (EXXON) | R | R | NT/FS | R |
| Orthoxylol (*BASF) | R | R | NT/FS | R |
| Oxybenzene | NR | NR | NR | NR |
| o-Xylen (N) | R | R | NT/FS | R |
| o-Xylene | R | R | NT/FS | R |
| Palm kernel oil | R, Note 4, 60°C | R, Note 4, 85°C | NT/FS | NR |
| PALM KERNEL OIL | R, Note 4, 60°C | R, Note 4, 85°C | NT/FS | NR |
| Palm Kernel Oil Fraction | R, Note 4, 60°C | R, Note 4, 85°C | NT/FS | NR |
| Panasol AN-2L* (*TRADENAME AMOCO) | R | R | R | R |
| Panhandle | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 7, 70°C |
| Panuco | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 7, 70°C |

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| Chemical | Tankguard HB | Tankguard Storage | Tankguard 412 | Resist GT/ Resist 5 WF |
|-------------------------------------|-----------------|-------------------|----------------|---------------------------|
| para - Xylene | R | R | NT/FS | R |
| Paraffin | R | R | R | R |
| Paraffin jelly | R, 70°C | R, 85°C | R,60°C | R |
| Paraffinic | R | R | R | R |
| Paraxylene | R | R | NT/FS | R |
| paraxylene (*Kolmar Petrochemicals) | R | R | NT/FS | R |
| Paraxylene (EXXON) | R | R | NT/FS | R |
| Pentan (G) | R | R | R | R |
| Pentan (N) | R | R | R | R |
| Pentane (all isomers) | R | R | R | R |
| PENTANE (ALL ISOMERS) | R | R | R | R |
| Pentane 80% Solution | R | R | R | R |
| Pentane 82% Solution | R | R | R | R |
| Pentane 95% Solution | R | R | R | R |
| Pentane plus | R | R | R | R |
| Petrelab 550 | R | R | NT/FS | R |
| Petrol | R | R | NT/FS | R, Note 5 |
| Petrol (*Oil Tanking) | R | R | NT/FS | R, Note 5 |
| PETROLATUM | R, 70°C | R, 85°C | R,60°C | R |
| PETROLATUM | R, 70°C | R, 85°C | R,60°C | R |
| Petrolatum | R, 70°C | R, 85°C | R,60°C | R |
| Petrolatum jelly | R, 70°C | R, 85°C | R,60°C | R |
| Petroleum asphalt | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1, 70°C |
| Petroleum benzin | R | R | NT/FS | R |
| Petroleum ether | R | R | R | R |
| Petroleum jelly | R, 70°C | R, 85°C | R,60°C | R |
| Petroleum jelly | R, 70°C | R, 85°C | R,60°C | R |
| Petroleum Naphtha | R | R | R | R |
| Petroleum naphtha | R | R | R | R |
| Petroleum oil | R | R | R | R |
| Petroleum ointment | R, 70°C | R, 85°C | R,60°C | R |
| Petroleum pitch | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1, 70°C |
| Petroleum solvent | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Petroleum wax | R, 70°C | R, 85°C | R,60°C | R |
| Petrosol 16/18 | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Petrosol 18/20 | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Phenic acid | NR | NR | NR | NR |
| Phenol | NR | NR | NR | NR |
| PHENOL | NR | NR | NR | NR |
| Phenol (*Shell) | NR | NR | NR | NR |
| Phenol (G) | NR | NR | NR | NR |
| Phenol 95% Hydrotreated (*INEOS) | NR | NR | NR | NR |
| Phenol* (*Sasol) | NR | NR | NR | NR |
| Phenyl alcohol | NR | NR | NR | NR |

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| Chemical | Tankguard HB | Tankguard Storage | Tankguard 412 | Resist GT/ Resist 5 WF |
|--|-----------------|-------------------|----------------|---------------------------|
| Phenyl hydroxide | NR | NR | NR | NR |
| Phenyl Methane | NR | R | NR | R |
| Phenyl methyl alcohol | NR | R | NR | R |
| Phenylalkohol (G) | NR | NR | NR | NR |
| Phenylcarbinol | NR | R | NR | R |
| Phenylethane | R | R | NT/FS | NR |
| Phenylethane | R | R | NT/FS | R |
| Phenylic acid | NR | NR | NR | NR |
| Phenylmethane | NR | R | NR | R |
| Phenylmethanol | NR | R | NR | R |
| Phenyläthan (G) | R | R | NR | NR |
| Phosphoric acid | NR | NR | NR | NR |
| Phosphoric acid (aqueous) | NR | NR | NR | NR |
| Phosphoric Acid* (*TRADENAME Solutia) | NR | NR | NR | NR |
| Phosphorsäure (G) | NR | NR | NR | NR |
| PHS | R | R | R | NR |
| Pilon | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Pimelic ketone | NR | NR | NR | R |
| PKO* (*COMMON USAGE)** | R, Note 4, 60°C | R, Note 4, 85°C | NT/FS | NR |
| Pollard | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Potable water | R, Note 2 | R, Note 2 | R,50°C | NR |
| Potassium Chloride | R | R | R | NR |
| Potassium chloride drilling brine | R | R | R | NR |
| Potassium chloride solution | R | R | R | NR |
| POTASSIUM CHLORIDE SOLUTION (10% OR MORE) | R | R | R | NR |
| Potassium hydrate solution | R | R | R | NR |
| Potassium hydroxide | R | R | R | NR |
| POTASSIUM HYDROXIDE SOLUTION | R | R | R | NR |
| Premium Octane Pyrolysis Gasoline (*Sabic) | R | R | NT/FS | R |
| Premium Unleaded (*Tradename BP) | R | R | NT/FS | R, Note 5 |
| Propanetriol, 1,2,3- | R, 60°C | R, 60°C | NT/FS | R |
| Propanol | NR | NR | NR | R |
| Propyl carbinol | NR | R | NR | R |
| Propylene dichloride | NR | NR | NR | R, Note 6 |
| Propylene glycol monomethyl ether | NR | NR | NR | R |
| Pseudocumene | R | R | NT/FS | R |
| p-Xylen (N) | R | R | NT/FS | R |
| Pyrolysis gasoline | R, Note 1 | R, Note 1 | NR | R, Note 1 |
| Qatar Marine | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Quiriquire | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Racemic lactic acid | R | R | NR | NR |
| Ras Lanuf | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Ratawi | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| RBD Palm Kernel Oil | R, Note 4, 60°C | R, Note 4, 85°C | NT/FS | NR |

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| Chemical | Tankguard HB | Tankguard Storage | Tankguard 412 | Resist GT/ Resist 5 WF |
|------------------------------------|-----------------|-------------------|----------------|---------------------------|
| RBDPKO | NT | R, Note 4, 85°C | NT/FS | NT |
| RBDPS | NT | R, Note 4, 85°C | NT/FS | NT |
| Refined glycerine | R, 60°C | R, 60°C | NR | R |
| Refined Palm Kernel Oil | R, Note 4, 60°C | R, Note 4, 85°C | NT/FS | NR |
| Refugio Heavy | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Refugio Light | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Rio Zulia | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Road asphalt | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1, 70°C |
| Road tar | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1, 70°C |
| Rodessa | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Safety solvent | R | R | NT/FS | R |
| Salmon Oil | R, Note 4 | R, Note 4 | NT/FS | R, Note 4 |
| Saltwater | R | R | R | R |
| San Joaquin | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Santa Rosa | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Sardine Oil | R, Note 4 | R, Note 4 | NT/FS | R, Note 4 |
| Sarir | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Sasol Butanol* (*Sasol) | NR | R | NR | R |
| Sasol Butyl alcohol* (*Sasol) | NR | R | NR | R |
| Sassan | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| SBP 100/140 (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| SBP 140/165 (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| SBP 60/145 (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| SBP 80/100 (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Schwefelsäure (G) | NR | NR | NR | NR |
| sec-Butyl ester of acetic acid | NR | NR | NR | R, Note 6 |
| sek-Butylacetat (G) | NR | NR | NR | R, Note 6 |
| sek-Butylacetat (N) | NR | NR | NR | R, Note 6 |
| Seria | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Sextone | NR | NR | NR | R |
| Shell Fenella ALF (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol 142 HT (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol 340 HT (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol 71 (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol 71L* (*TRADENAME Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol A (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol A 100 (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol AB (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol D 100* (*TRADENAME Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol D100 (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol D40* (*TRADENAME Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol D40/DMA (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol D43 (*shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol D60* (*TRADENAME Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |

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Recommendations are based on temperatures not exceeding 40°C.

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Exceptions are when there is a maximum temperature given in the Resistance List

| Chemical | Tankguard HB | Tankguard Storage | Tankguard 412 | Resist GT/ Resist 5 WF |
|--|-----------------|-------------------|----------------|---------------------------|
| Shellsol D70 (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol D90 (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol DMA (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol H* (*TRADENAME Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol OMS (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol T (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol T/TD (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Shellsol TD (*Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| SKDN | R | R | NT/FS | R |
| Soaplye glycerine | R, 60°C | R, 60°C | NR | R |
| Sodium carbonate solution | R | R | NT/FS | NR |
| Sodium hydrate | R | R | R | NR |
| Sodium hydrate solution | R | R | R | NR |
| Sodium hydroxide | R | R | R | NR |
| Sodium hydroxide | R | R | R | NR |
| Sodium Hydroxide 35% Solution | R | R | R | NR |
| Sodium Hydroxide 50% Liquid* (*™Georgia Gulf) | R | R | R | NR |
| Sodium Hydroxide 50% Solution | R | R | R | NR |
| SODIUM HYDROXIDE SOLUTION | R | R | R | NR |
| Sodium hydroxide solution | R | R | R | NR |
| Sodium hypochlorate solution | R | R | R | NR |
| Sodium hypochlorite | NR | NR | N | NR |
| Solvent Naphtha H (*ExxonMobil) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Solvent Naphtha L (*ExxonMobil) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Solvent Naphtha M (*ExxonMobil) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Solvent naphtha* (*TRADENAME Shell) | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| South La. Mix | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| South West Texas Mix | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Spirits of turpentine | R | R | R | R |
| Steam distilled turpentine | R | R | R | R |
| Stoddard solvent | R | R | NT/FS | R |
| Sulfate turpentine | R | R | R | R |
| Sulfate wood turpentine | R | R | R | R |
| Sulfonate turpentine crude | R | R | R | R |
| Sulfuric acid | NR | NR | NR | NR |
| Sulphuric acid | NR | NR | NR | NR |
| SULPHURIC ACID | NR | NR | NR | NR |
| Sulphuric acid, 96%* (* Metallgesellschaft AG) | NR | NR | NR | NR |
| SUMS (*BP) | R | R | R | R, Note 5 |
| Sunniland | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Super plus 98 (*BP) | R | R | NT/FS | R, Note 5 |
| Super plus unleaded (*BP) | R | R | NT/FS | R, Note 5 |
| Super Unleaded (*BP) | R | R | NT/FS | R, Note 5 |
| Superphosphoric acid | NR | NR | NR | NR |

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| Chemical | Tankguard HB | Tankguard Storage | Tankguard 412 | Resist GT/ Resist 5 WF |
|----------------------------------|-----------------|-------------------|----------------|---------------------------|
| Surdyne B140* (*TRADENAME Shell) | R, Note 1 | R, Note 1 | NT/FS | R, Note 1 |
| Sure Sol-150 | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Sustainable Palm Kernel Oil | R, Note 4, 60°C | R, Note 4, 85°C | NT/FS | NR |
| Svovelsyre (N) | NR | NR | NR | NR |
| Synthetic paraffinic hydrocarbon | R | R | R | R |
| Tar | R, Note 1 | R, Note 1 | R, Note 1,60°C | R, Note 1 |
| Tar, liquid | R, Note 1 | R, Note 1 | R, Note 1,60°C | R, Note 1 |
| Tars liquid | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1, 70°C |
| TDI | R | R | NR | R |
| Terpentin (G) | R | R | R | R |
| Terpentin, vegetabilsk (N) | R | R | R | R |
| tert-Butyl acetate | NR | NR | NR | R, Note 6 |
| tert-Butyl methyl ether | NR | R | NR | R |
| Tetradecylbenzene | R | R | NT/FS | R |
| Tetrapropylbenzene | R | R | NT/FS | R |
| Tia Juana - 102LP | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Tia Juana Heavy | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Tia Juana Light | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Tia Juana Medium - Amuay | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Tia Juana Medium - La Salina | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Tigre | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Toluen (N) | NR | R | NR | R |
| Toluene | NR | R | NR | R |
| TOLUENE | NR | R | NR | R |
| Toluene (*Shell) | NR | R | NR | R |
| Toluene -2,4-diisocyanate | R | R | NR | R |
| TOLUENE DIISOCYANATE | R | R | NR | R |
| Toluene di-isocyanate | R | R | NR | R |
| Toluene Diisocyanate (*Shell) | R | R | NR | R |
| Toluene diisocyanate 65% | R | R | NR | R |
| Toluene* (*ExxonMobil) | NR | R | NR | R |
| Toluol | NR | R | NR | R |
| Toluol (G) | NR | R | NR | R |
| Toluole (*ExxonMobil) | NR | R | NR | R |
| Tolylenediisocyanate | R | R | NR | R |
| Treacle | R | R | R | NR |
| Trihydropropane | R, 60°C | R, 60°C | NR | R |
| Trihydroxypropane | R, 60°C | R, 60°C | NR | R |
| Trimethyl benzene | R | R | NT/FS | R |
| TRIMETHYLBENZENE (ALL ISOMERS) | R | R | NR | R |
| Trinidad pitch | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1, 70°C |
| TURPENTINE | R | R | R | R |
| Turpentine | R | R | R | R |
| Turpentine oil | R | R | R | R |

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| Chemical | Tankguard HB | Tankguard Storage | Tankguard 412 | Resist GT/ Resist 5 WF |
|--|-----------------|-------------------|----------------|---------------------------|
| Turps | R | R | R | R |
| ULMS (*BP) | R | R | R | R, Note 5 |
| Umm Shaif | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Unfinished naphtha | R | R | R | R |
| Unleaded 95 (*BP) | R | R | NT/FS | R, Note 5 |
| Unleaded Gasoline (*Oil Tanking) | R | R | NT/FS | R, Note 5 |
| uns-Trimethylbenzene | R | R | NR | R |
| Varnoline | R | R | NT/FS | R |
| Vaseline | R, 70°C | R, 85°C | R,60°C | R |
| Vassa A-70 (*Vassa) | R | R | NT/FS | R |
| Vassa LP-70 (*Vassa) | R | R | NT/FS | R |
| Vassa LP-90 (*Vassa) | R | R | NT/FS | R |
| Vinasses (*BASF) | R | R | R | NR |
| Vinegar acid | NR | NR | NR | NR |
| Virsin | R, Note 1 | R, Note 1 | R, Note 1 | R, Note 1 |
| Voranate T 80 | R | R | NR | R |
| Wakso C9-C11 Blend | R | R | R | R |
| Waksol 9-11* (*TRADENAME Schumann Sasol) | R | R | R | R |
| Water of ammonia | NR | R | NR | NR |
| Water, drinking | R, Note 2 | R, Note 2 | R, 50°C | NR |
| Water, potable | R, Note 2 | R, Note 2 | R, 50°C | NR |
| Wax mineral | R, 70°C | R, 85°C | R,60°C | R, 70°C |
| Wax petroleum | R, 70°C | R, 85°C | R,60°C | R, 70°C |
| West Central Texas Mix | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| West Texas Sour | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| White caustic solution | R | R | R | NR |
| White Phosphoric acid | NR | NR | NR | NR |
| White spirit | R | R | NT/FS | R |
| White spirit (blanding) 10%<aromatinnh. <20% (N) | R | R | NT/FS | R |
| White spirit (G) | R | R | NT/FS | R |
| White spirit (high aromatic) | R | R | NT/FS | R |
| White Spirit* (*ExxonMobil) | R | R | NT/FS | R |
| WHITE SPIRIT, LOW (15-20%) AROMATIC | R | R | NT/FS | R |
| Willamar | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Wilmington | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1,60°C | R, Note 1,7,70°C |
| Wood turpentine | R | R | R | R |
| Xylene | R | R | NT/FS | R |
| Xylene (mixed isomers) | R | R | NT/FS | R |
| Xylene* (*Exxon Mobil) | R | R | NT/FS | R |
| Xylene, Meta | R | R | NT/FS | R |
| Xylene, ortho | R | R | NT/FS | R |
| Xylene, Para | R | R | NT/FS | R |
| Xylene-n (*Shell) | R | R | NT/FS | R |
| Xylene-o (*Shell) | R | R | NT/FS | R |

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| Chemical | Tankguard HB | Tankguard Storage | Tankguard 412 | Resist GTI/ Resist 5 WF |
|-------------------|-----------------|-------------------|-----------------|----------------------------|
| Xylene-p (*Shell) | R | R | NT/FS | R |
| XYLENES | R | R | NT/FS | R |
| xylol | R | R | NT/FS | R |
| Xylol (G) | R | R | NT/FS | R |
| Xylol (N) | R | R | NT/FS | R |
| Yellow petrolatum | R, 70°C | R, 85°C | R, 60°C | R |
| Zakum | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 7, 70°C |
| Zarzaitine | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 7, 70°C |
| Zueitina | R, Note 1, 70°C | R, Note 1, 85°C | R, Note 1, 60°C | R, Note 1, 7, 70°C |
| Äthandiol (G) | R | R | R | R, Note 5 |
| Äthylbenzol (G) | R | R | NT/FS | NR |
| Äthylenglykol (G) | R | R | R | R, Note 5 |

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Exceptions are when there is a maximum temperature given in the Resistance List

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