Fluids Compatibility Tables

COMPOUND COMPATIBILITY RATING
1 - Satisfactory
2 - Fair (usually OK for static seal)
3 - Doubtful (sometimes OK for static seal)
4 - Unsatisfactory
x - Insufficient Data

	Nitrile NBR	Hydrogenated Nitrile HNBR	Ethylene Propylene EPDM	Fluorocarbon FKM	Hiflur FKM	Perfluoroelastomer FFKM	Aflas (TFE/Propylene) FEPM	Styrene-Butadiene SBR	Neoprene/Chloroprene CR	Polyacrylate ACM	Polyurethane AU, EU	Butyl IIR	Butadiene BR	Isoprene IR	Natural Rubber NR	Epichlorohydrin CO, ECO	Fluorosilicone FVMQ	Silicone MQ, VMQ, PVMQ
- A -																		
Abietic Acid	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Acetaldehyde	3	3	2	4	1	1	3	3	3	4	4	2	2	2	2	3	4	2
Acetamide	1	1	1	3	1	1	2	1	4	4	4	2	4	4	4	2	1	2
Acetanilide	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Acetic Acid, 30%	x	x	1	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Acetic Acid, 5%	2	2	1	1	1	1	1	1	2	4	4	1	2	2	2	1	2	1
Acetic Acid, Glacial	2	2	1	2	1	1	3	4	2	4	4	2	2	2	2	3	2	1
Acetic Acid, Hot, High Pressure	4	4	3	4	4	4	3	4	4	4	4	4	4	4	4	3	4	3
Acetic Anhydride	3	4	2	4	1	1	2	2	2	4	4	2	2	2	2	2	4	2
Acetoacetic Acid	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Acetone	4	4	1	4	2	1	2	4	4	4	4	1	4	4	4	3	4	4
Acetone Cyanohydrin	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Acetonitrile	3	x	1	1	1	1	1	x	x	x	x	x	x	x	x	x	x	x
Acetophenetidine	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Acetophenone	4	4	1	4	2	1	2	4	4	4	4	2	4	4	4	4	4	4
Acetotoluidide	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Acetyl Acetone	4	4	1	4	2	1	2	4	4	4	4	1	4	4	4	4	4	4
Acetyl Bromide	4	4	1	1	1	1	2	4	4	4	4	1	4	4	4	4	4	4
Acetyl Chloride	4	4	4	1	1	1	2	4	4	4	4	4	4	4	4	4	1	4
Acetylene	1	1	1	1	1	1	1	2	2	4	4	1	2	2	2	2	x	2
Acetylene Tetrabromide	4	4	1	1	1	1	1	2	4	x	4	1	x	x	x	x	x	x
Acetylene Tetrachloride	4	4	1	1	1	1	1	2	4	x	4	1	x	x	x	x	x	x
Acetylsalicylic Acid	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Acids, Non-organic	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Acids, Organic	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Aconitic Acid	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Acridine	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Acrolein	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Acrylic Acid	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x

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	Nitrile NBR	Hydrogenated Nitrile HNBR	Ethylene Propylene EPDM	Fluorocarbon FKM	Hiflur FKM	Perfluoroelastomer FFKM	Aflas (TFE/Propylene) FEPM	Styrene-Butadiene SBR	Neoprene/Chloroprene CR	Polyacrylate ACM	Polyurethane AU, EU	Butyl IIR	Butadiene BR	Isoprene IR	Natural Rubber NR	Epichlorohydrin CO, ECO	Fluorosilicone FVMQ	Silicone MQ, VMQ, PVMQ
Acrylonitrile	4	4	4	3	1	1	3	4	3	4	4	4	x	3	3	3	4	4
Adipic Acid	1	1	2	x	1	1	2	x	x	x	x	x	x	x	x	x	x	x
Aero Lubriplate	1	1	4	1	1	1	2	1	2	1	1	4	4	4	4	1	1	2
Aero Shell 17 Grease	1	1	4	1	1	1	2	2	4	1	1	4	4	4	4	1	1	2
Aero shell 750	2	2	4	1	1	1	2	4	4	2	4	4	4	4	4	4	2	4
Aero Shell 7A Grease	2	2	4	1	1	1	2	2	4	1	1	4	4	4	4	1	1	2
Aero Shell IAC	1	1	4	1	1	1	2	2	4	1	1	4	4	4	4	1	1	2
Aerozene 50 (50% Hydrazine 50% UDMH)	3	3	1	4	4	4	2	4	4	x	4	1	4	4	4	4	4	4
Aerosafe 2300	4	4	1	4	4	4	2	4	4	4	4	2	4	4	4	4	3	3
Aerosafe 2300W	4	4	1	4	4	4	2	4	4	4	4	2	4	4	4	4	3	3
Air Below 200 F	2	2	1	1	1	1	1	1	2	1	2	1	2	2	2	1	1	1
Air, 200-300 F	3	3	2	1	1	1	1	2	4	2	3	2	4	4	4	2	1	1
Air, 300-400 F	4	4	4	1	1	1	2	4	4	4	4	4	4	4	4	4	2	1
Air, 400-500 F	4	4	4	3	2	2	3	4	4	4	4	4	4	4	4	4	4	2
Aliphatic Dicarboxylic Acid	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Alkanes (Paraffin Hydrocarbons)	1	1	4	1	1	1	x	2	4	1	1	4	4	4	4	2	1	2
Alkanesulfonic Acid	1	1	4	1	1	1	x	2	4	1	1	4	4	4	4	2	1	2
Alkazene	4	4	4	2	1	1	2	4	4	4	4	4	4	4	4	4	2	4
Alkenes (Olefin Hydrocarbons)	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Alkyl Acetone	3	3	1	3	2	1	x	1	1	4	4	1	1	1	1	1	1	2
Alkyl Alcohol	1	1	4	1	1	1	x	2	4	1	1	4	4	4	4	2	1	2
Alkyl Amine	1	1	4	1	1	1	x	2	4	1	1	4	4	4	4	2	1	2
Alkyl Aryl Sulfonates	1	1	4	1	1	1	x	2	4	1	1	4	4	4	4	2	1	2
Alkyl Aryl Sulfonics	1	1	4	1	1	1	x	2	4	1	1	4	4	4	4	2	1	2
Alkyl Benzene	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Alkyl Chloride	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Alkyl Sulfide	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Alkylnaphthalene sulfonic Acid	1	1	4	1	1	1	x	2	4	1	1	4	4	4	4	2	1	2

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	Nitrile NBR	Hydrogenated Nitrile HNBR	Ethylene Propylene EPDM	Fluorocarbon FKM	Hiflur FKM	Perfluoroelastomer FFKM	Aflas (TFE/Propylene) FEPM	Styrene-Butadiene SBR	Neoprene/Chloroprene CR	Polyacrylate ACM	Polyurethane AU, EU	Butyl IIR	Butadiene BR	Isoprene IR	Natural Rubber NR	Epichlorohydrin CO, ECO	Fluorosilicone FVMQ	Silicone MQ, VMQ, PVMQ
Allyl Chloride	2	2	4	1	1	1	x	1	x	x	x	x	x	x	x	x	x	x
Allylidene Diacetate	3	3	1	3	2	1	x	1	1	4	4	1	1	1	1	1	1	2
Alpha Picoline	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Aluminum Acetate	2	2	1	4	1	1	2	2	2	4	4	1	4	1	1	4	4	4
Aluminum Bromide	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1
Aluminum Chlorate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Aluminum Chloride	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	2
Aluminum Ethylate	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Aluminum Fluoride	1	1	1	1	1	1	1	1	1	x	3	1	1	1	2	1	1	2
Aluminum Fluorosilicate	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Aluminum Formate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Aluminum Hydroxide	2	x	1	2	1	1	1	x	x	x	x	x	x	x	x	x	x	2
Aluminum Linoleate	1	1	4	1	1	1	x	2	4	1	1	4	4	4	4	2	1	2
Aluminum Nitrate	1	1	1	1	1	1	1	1	1	x	3	1	1	1	1	1	x	2
Aluminum Oxalate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Aluminum Phosphate	1	1	1	1	1	1	1	1	x	x	x	x	x	x	x	x	x	2
Aluminum Potassium Sulfate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Aluminum Salts	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1
Aluminum Sodium Sulfate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Aluminum Sulfate	1	1	1	1	1	1	1	1	2	4	4	1	1	1	1	1	1	1
Alums-NH3-Cr-K	1	1	1	4	4	4	2	1	1	4	x	1	1	1	1	1	4	1
Ambrex 33 (Mobil)	1	1	4	1	1	1	2	2	4	1	2	4	4	4	4	3	3	4
Ambrex 830 (Mobil)	1	1	3	1	1	1	2	2	4	1	1	3	4	4	4	2	1	2
Amines-Mixed	4	4	2	4	4	4	3	2	2	4	4	2	2	2	2	4	4	2
Aminoanthraquinone	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Aminoazobenzene	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Aminoberzene Sulfonic Acid	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Aminobenzoic Acid	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Aminopyridine	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Aminosalicylic Acid	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x

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Ammonia (Anhydrous)	2	2	1	4	4	4	2	1	4	4	4	1	4	4	4	4	4	2
Ammonia and Lithium Metal in Solution	2	2	2	4	4	4	3	x	4	4	4	2	4	4	4	4	4	4
Ammonia, Gas, Cold	1	1	1	4	4	4	2	1	1	4	x	1	1	1	1	1	4	1
Ammonia, Gas, Hot	4	4	2	4	4	4	2	2	4	4	x	2	4	4	4	2	4	x
Ammonia, Liquid (Anhydrous)	2	2	1	4	4	4	2	1	4	4	4	1	4	4	4	2	4	2
Ammonium Acetate	3	3	1	3	2	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Arsenate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Benzoate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Bicarbonate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Bisulfite	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Bromide	1	1	1	1	1	1	1	1	1	x	1	1	x	x	1	1	x	x
Ammonium Carbanate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Carbonate	4	4	1	1	1	1	1	1	1	4	4	1	x	x	1	1	x	x
Ammonium Chloride, 2N	1	1	1	1	1	1	1	1	1	x	1	1	x	x	1	1	x	x
Ammonium Citrate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Dichromate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Diphosphate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Fluoride	1	1	1	1	1	1	1	1	1	x	1	1	x	x	1	1	x	x
Ammonium Fluorosilicate	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Ammonium Formate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Hydroxide, 3 Molar	1	1	1	3	2	2	2	1	2	4	4	1	2	2	2	1	1	1
Ammonium Hydroxide, Concentrated	4	4	1	4	4	4	2	1	3	4	4	1	3	3	3	1	1	1
Ammonium Ioadide	1	1	1	1	1	1	1	1	1	x	1	1	x	x	1	1	x	x
Ammonium Lactate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Metaphosphcte	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Molybdenate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Nitrate, 2N	1	1	1	x	x	x	2	1	1	2	x	1	x	x	3	1	x	x
Ammonium Nitrite	1	1	1	x	1	1	2	1	1	x	x	1	1	1	1	1	x	2

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Ammonium Oxalate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Perchlorate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Perchloride	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Ammonium Persulfate 10%	4	4	1	x	x	x	2	1	4	4	4	1	x	1	1	x	x	x
Ammonium Persulfate Solution	4	4	1	x	1	1	2	x	4	4	4	1	x	1	1	x	x	x
Ammonium Phosphate	1	1	1	4	1	1	2	1	1	x	x	1	x	1	1	1	x	1
Ammonium Phoshate, Dibasic	1	1	1	x	1	1	2	1	1	x	x	1	x	1	1	1	x	1
Ammonium Phoshate, Mono-Basic	1	1	1	x	1	1	2	1	1	x	x	1	x	1	1	1	x	1
Ammonium Phosphate, Tribasic	1	1	1	x	1	1	2	1	1	x	x	1	x	1	1	1	x	1
Ammonium Phosphite	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Picrate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Polysulfide	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Salicylate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Salts	1	1	1	3	1	1	2	1	1	3	x	1	x	1	1	1	3	1
Ammonium Sulfamate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Sulfate	1	1	1	4	1	1	2	1	2	4	x	1	1	1	1	1	x	x
Ammonium Sulfate Nitrate	1	1	1	4	1	1	2	1	2	4	x	1	1	1	1	1	x	x
Ammonium Sulfide	1	1	1	4	1	1	2	1	2	4	x	1	1	1	1	1	x	x
Ammonium Sulfite	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Thiocyanate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Thioglycolate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Thiosulfate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Tungstate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Ammonium Valerate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Amyl Acetate	1	1	3	4	1	1	3	4	4	4	4	3	4	4	4	4	4	4
Amyl Alcohol	2	2	1	2	1	1	1	2	2	4	4	1	2	2	2	2	1	4
Amyl Borate	1	1	4	1	1	1	2	1	4	x	x	4	4	4	4	1	x	x
Amyl Butyrate	1	1	4	1	1	1	x	2	4	1	1	4	4	4	4	2	1	2
Amyl Chloride	x	x	4	1	1	1	2	4	4	4	x	4	4	4	4	4	2	4

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Amyl Chloronaphthalene	4	4	4	1	1	1	2	4	4	4	x	4	4	4	4	4	2	4
Amyl Cinnamic Aldehyde	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Amyl Laurate	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Amyl Mercaptan	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Amyl Naphthalene	4	4	4	1	1	1	2	4	4	2	4	4	4	4	4	4	1	4
Amyl Nitrate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Amyl Nitrite	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Amyl Phenol	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Amyl Propionate	1	1	4	1	2	1	x	2	4	1	1	4	4	4	4	2	1	2
Anderol, L-826 (di-ester)	2	2	4	1	1	1	2	4	4	2	4	4	4	4	4	4	2	4
Anderol, L-829 (di-ester)	2	2	4	1	1	1	2	4	4	2	4	4	4	4	4	4	2	4
Anderol, L-774 (di-ester)	2	2	4	1	1	1	2	4	4	2	4	4	4	4	4	4	2	4
ANG-25 (Di-ester Base) (TG749)	2	2	4	1	1	1	2	4	4	2	4	4	4	4	4	4	2	2
ANG-25 (Glyceral Ester)	2	2	1	1	1	1	1	2	2	4	4	2	2	2	2	2	2	2
Aniline	4	4	2	3	1	1	2	4	4	4	4	2	4	4	4	4	3	4
Aniline Dyes	4	4	2	2	1	1	2	2	2	4	4	2	2	2	2	2	2	3
Aniline Hydrochloride	2	2	2	2	1	1	2	4	3	4	4	2	4	2	2	4	2	3
Aniline Oil	4	4	2	3	2	2	2	4	4	4	4	2	4	4	4	4	3	4
Aniline Sulfate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Aniline Sulfite	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Animal Fats	1	1	2	1	1	1	1	2	x	x	x	x	x	x	x	x	x	x
Animal Oil (Lard Oil)	1	1	2	1	1	1	2	2	4	1	2	2	4	4	4	2	1	2
Anisole	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Anisoyl Chloride	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
AN-O-3 Grade M	1	1	4	1	1	1	1	2	4	1	1	4	4	4	4	2	1	2
AN-O-366	1	1	4	1	1	1	2	2	4	1	1	4	4	4	4	2	1	4
AN-O-6	1	1	4	1	1	1	1	2	4	1	1	4	4	4	4	2	1	4
Ansul Ether 161 or 181	3	3	3	4	1	1	3	4	4	4	2	3	4	4	4	4	3	4
Anthracene	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Anthranilic Acid	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x

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	Nitrile NBR	Hydrogenated Nitrile HNBR	Ethylene Propylene EPDM	Fluorocarbon FKM	Hiflur FKM	Perfluoroelastomer FFKM	Aflas (TFE/Propylene) FEPM	Styrene-Butadiene SBR	Neoprene/Chloroprene CR	Polyacrylate ACM	Polyurethane AU, EU	Butyl IIR	Butadiene BR	Isoprene IR	Natural Rubber NR	Epichlorohydrin CO, ECO	Fluorosilicone FVMQ	Silicone MQ, VMQ, PVMQ
Anthraquinone	x	x	x	x	2	1	x	x	x	x	x	x	x	x	x	x	x	x
Anti-freeze Solutions	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Antimony Chloride	1	1	4	1	1	1	1	2	4	1	1	4	4	4	4	2	1	4
Antimony Pentachloride	1	1	4	1	1	1	1	2	4	1	1	4	4	4	4	2	1	4
Antimony Pentafluoride	x	x	x	x	2	2	x	x	x	x	x	x	x	x	x	x	x	x
Antimony Sulfate	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Antimony Tribromide	1	1	4	1	1	1	1	2	4	1	1	4	4	4	4	2	1	4
Antimony Trichloride	1	1	4	1	1	1	1	2	4	1	1	4	4	4	4	2	1	4
Antimony Trifluoride	1	1	4	1	1	1	1	2	4	1	1	4	4	4	4	2	1	4
Antimony Trioxide	1	1	4	1	1	1	1	2	4	1	1	4	4	4	4	2	1	4
AN-VV-O-336b Hydr. Fluid	1	1	4	1	1	1	1	2	4	2	2	4	4	4	4	2	1	4
Aqua Regia	4	3	3	2	2	2	3	4	x	x	x	x	x	x	x	x	x	x
Arachidic Acid	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Argon	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Aroclor, 1248	3	3	2	1	1	1	1	4	4	4	4	2	4	4	4	4	2	2
Aroclor, 1254	4	4	2	1	1	1	1	4	4	4	4	4	4	4	4	4	2	3
Aroclor, 1260	1	1	x	1	1	1	1	1	1	4	4	1	1	1	1	1	1	1
Aromatic Fuel -50%	2	2	4	1	1	1	2	4	4	4	4	4	4	4	4	4	2	4
Arsenic Acid	1	1	1	1	1	1	1	1	1	3	3	1	1	1	2	1	1	1
Arsenic Oxide	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Arsenic Trichloride	1	1	4	4	1	1	x	1	x	x	x	x	x	x	x	x	x	x
Arsenic Trioxide	1	1	4	4	1	1	x	1	x	x	x	x	x	x	x	x	x	x
Arsenic Trisulfide	1	1	4	4	1	1	x	1	x	x	x	x	x	x	x	x	x	x
Arsenites	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Arsine	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Aryl Orthosilicate	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Ascorbic Acid	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Askarel Transformer Oil	2	2	4	1	1	1	2	4	4	4	4	4	4	4	4	4	2	4
Aspartic Acid	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Asphalt	2	2	4	1	1	1	2	2	4	2	2	4	4	4	4	2	2	4

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ASTM Oil, No.1	1	1	4	1	1	1	1	1	4	1	1	4	4	4	4	2	1	1
ASTM Oil, No.2	1	1	4	1	1	1	1	2	4	1	2	4	4	4	4	4	1	4
ASTM Oil, No.3	1	1	4	1	1	1	1	4	4	1	2	4	4	4	4	4	1	3
ASTM Oil, No.4	2	2	4	1	1	1	1	4	4	2	4	4	4	4	4	4	2	4
ASTM Oil, No.5	1	1	4	1	1	1	1	2	x	x	x	x	x	x	x	x	x	x
ASTM Reference Fuel A	1	1	4	1	1	1	1	2	4	2	1	4	4	4	4	2	1	4
ASTM Reference Fuel B	1	1	4	1	1	1	1	4	4	4	2	4	4	4	4	4	1	4
ASTM Reference Fuel C	2	2	4	1	1	1	1	4	4	4	4	4	4	4	4	4	2	4
ASTM Reference Fuel D	2	2	4	1	1	1	4	4	x	x	x	x	x	x	x	x	x	x
ATL-857	2	2	4	1	1	1	1	4	4	2	4	4	4	4	4	4	2	4
Atlantic Dominion F	1	1	4	1	1	1	2	2	4	1	2	4	4	4	4	4	1	4
Atlantic Utro Gear-e	1	1	4	1	1	1	1	2	x	x	x	x	x	x	x	x	x	x
Atlantic Utro Gear-EP Lube.	1	1	4	1	1	1	2	2	4	1	1	4	4	4	4	4	1	4
Aure 903R (Mobil)	1	1	4	1	1	1	2	2	4	1	1	4	4	4	2	4	4	4
AUREX 256	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Automatic Transmission Fluid	1	1	4	1	1	1	2	2	4	1	2	4	4	4	4	3	x	4
Automotive Brake Fluid	3	3	1	4	1	1	2	2	1	4	4	2	x	x	x	2	4	3
AXAREL 9100	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Azobenzene	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x

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