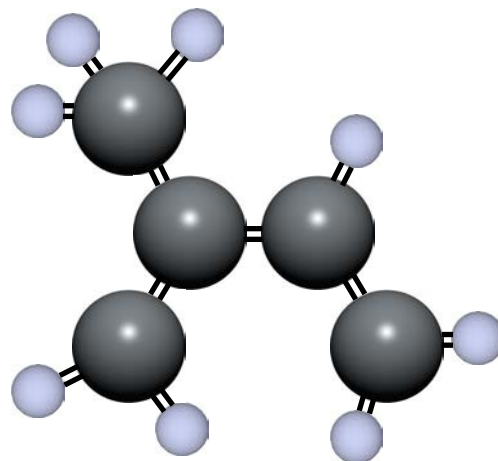




Compound Selection Guide





Compound Selection Guide



THIS DOCUMENT SHOULD BE USED AS A DESIGN GUIDE FOR SELECTING SUITABLE ELASTOMERIC MATERIALS FOR YOUR APPLICATION. IT IS DIVIDED INTO TWO SECTIONS:

POLYMERS

The polymers used by Precision Associates are listed on the next page. Included are the common names, the ASTM designations, chemical names, our number, and the polymer shrink range.

Our tooling is commonly cut for 2.0% shrinkage. Many compounds have shrinkage rates that will cause them to be outside of the normal tolerance range for a given size. Due to the elastic nature of rubber, products will often function well even though they are under/over sized. When designs requiring close tolerances are necessary, engineers should contact Precision Associates for specific guidelines. We may already have, or may suggest, special tooling to compensate for non-standard materials.

CHEMICAL COMPATIBILITY

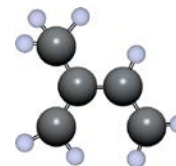
This section contains chemical names and our recommendation of a compound for you to evaluate. In most cases we have listed a black 70-75 durometer material in the most compatible, least expensive compound suitable for the application. Often we will have other compounds in different colors and/or durometers that may work even better in your particular application. With over 900 compounds in production, we are likely to have one that fits your requirements. If not, our team may develop one for you. Please contact us for our recommendations.

In addition to our recommended compound, we show the general compatibility of the most common polymers with each of the chemicals listed.

If multiple materials or unusual conditions complicate your sealing situation, please fill out the Material Selection Worksheet at the end of this section and fax it to us. Our technical staff will evaluate your data and contact you with our suggestion.

PLEASE NOTE:

The compounds listed in this Selection guide are recommendations only. Customers should determine the suitability of our compounds in their own applications.



POLYMERS USED BY PRECISION ASSOCIATES

Common or Trade Name	ASTM Abbr	Chemical Name	PAI Cpd Series	Shrink Range %
Acrylic	ACM	Polyacrylate	21xxx	2.0 - 4.0
Aflas®	FEPM	Tetrafluoroethylene Propylene	25xxx	3.0 - 4.5
Blend		Various Polymer Blends	6xxx	
Buna N, Nitrile	NBR	Butadiene Acrylonitrile	3xxx	1.5 - 3.5
			5xxx	
			7xxx	
Buna S	SBR	Styrene Butadiene	15xxx	2.0 - 3.0
Butyl	CIIR	Chlorobutyl	13xxx	1.1 - 2.3
	IIR	Isobutylene Isoprene		
Carboxylated Nitrile	XNBR	Carboxylic Acrylonitrile Butadiene	77xxx	2.0 - 3.0
Chlorinated	CM	Chloro-Polyethylene	16xxx	2.0 - 3.0
EPDM	EPDM	Ethylene Propylene Diene Terpolymer	23xxx	1.9 - 3.5
FKM	FKM	Fluoroelastomer	8/9/10xxx	2.0 - 4.5
Fluorosilicone	FVMQ	Fluoro Methyl Vinyl Silicone	20xxx	2.8 - 4.7
Highly Saturated Nitrile	HNBR	Hydrogenated NBR	55xxx	2.0 - 3.0
Hydrin	ECO	Epichlorohydrin	32xxx	2.0 - 3.0
Hypalon®	CSM	Chlorosulfonated Polyethylene	14xxx	1.8 - 3.0
Natural Rubber	IR	Isoprene	1xxx	2.0 - 3.5
Neoprene®	CR	Chloroprene	4xxx	1.0 - 3.0
P-REX™	FFKM	Perfluoroelastomer	34xxx	3.0 - 4.0
Silicone	PVMQ	Methyl Phenyl Vinyl Silicone	19xxx	2.0 - 5.0
	VMQ	Methyl Vinyl Silicone		
Silicone, Medical			49xxx	
Teflon®	PTFE	Tetrafluoroethylene	18xxx	N/A
Urethane	AU	Polyester Urethane	35xxx	1.6 - 3.3
	EU	Polyether Urethane		
Vamac®	AEM	Ethylene Acrylate	22xxx	2.0 - 4.0
Viton®	FKM	Fluoroelastomer	8xxx	2.0 - 4.5

COMPOUND NOMENCLATURE

Precision Associates compound numbers are typically four or five digits. The number(s) in the thousand position(s) specify the base polymer. The digit in the hundred position signifies the durometer in multiples of ten. The last two digits separate like-compounds within a given polymer/durometer group.

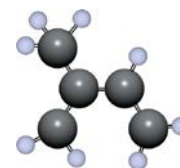
Examples for compounds 5747 and 19711 follow:

5	7	4	7	70 Durometer Butadiene Acrylonitrile
1	9	5	1 1	50 Durometer Silicone
Polymer Group	Duro	File Number		



Compound Selection Guide

Chemical Compatibility



SPECIFICATIONS

Polymer Comparison

ASTM Abbr	Temperature Range (°F)		Durometer Range		Media Resistance							
	Low	High	Low	High	Oil	Fuel	Acid	Alkali	Ozone	Steam	Brake	Weather
ACM	-40	400	50	80	E	P-G	P-F	G-E	G-E	P	P	E
AEM	-50	350	40	90	F	P-G	P-F	P-F	E	P	P	E
AU	-65	250	40	90	G	P-G	P-G	P-F	E	P	P	E
CIIR	-50	300	60	70	P	P	F-E	G-E	E	G-E	G	F
CM	-60	300	80	80	G-E	P-F	G-E	E	E	P-F	G	E
CR	-80	220	30	90	F-G	P-F	F-G	G-P	G-E	P-G	F	P-G
CSM	-65	275	50	80	E	F	G-E	G-E	E-O	P-G	F	E-O
ECO	-80 to -15	275 to 325	50	90	E	G-E	P-G	P-G	G-E	F-G	P	G-E
EPDM	-75	350	40	90	P	P	G	G	G-E	E	G-E	E
EU	-65	250	40	90	G	P-G	P-G	P-F	E	P	P	E
FEPM	0	450 to 500	70	90	E	P-F	F-G	E	E	G-E	F-E	E
FKM	-20 to 20	500	50	90	E	E	G-E	P-G	O	P-G	F	E
FVMQ	-110 to -90	450	40	80	G-E	G-E	F-G	G-E	E	F-G	E	E
HNBR	-40	350	60	90	E	P-F	F-E	P-E	G-E	E	F	G-E
IIR	-75	300	60	70	P	P	F-E	G-E	E	G-E	G	E
IR	-60 to -20	180	30	70	P	P	P-G	F-G	P	F-G	G	P-F
NBR	-70 to -40	250 to 300	30	95	E	F-G	F-G	P-G	P-F	F-G	P	P-F
PVMQ	-150	450	20	80	F	P	P-F	P-E	E-O	F	G	E
SBR	-75	250	40	80	P	P-F	F	F-G	P	F-G	P-G	F-G
PTFE	N/A	400 to 500	95	95	E	E	E	E	O	E	E	E
VMQ	-100	500	20	80	F-G	P	P-G	P-E	E-O	F-G	E	E
XNBR	-50	250	50	90	E	F-G	F-G	P-G	P-F	P-F	P	P-F

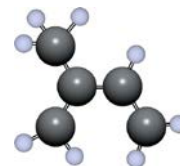
Values shown in the tables are for general comparison only. They do not represent individual compound recipes.

P	Poor
F	Fair
G	Good
E	Excellent
O	Outstanding



Compound Selection Guide

Chemical Compatibility

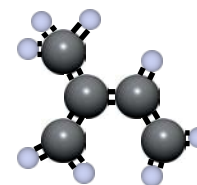


Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
AN-O-3 Grade M	5767	1	1	4	1	1	2	4	1	1	4	4	2	1	2	1
AN-O-6	5767	1	1	4	1	1	2	4	1	1	4	4	2	1	4	1
AN-O-366	5767	1	1	4	1	2	2	4	1	1	4	4	2	1	4	1
AN-VV-O-366b Hydraulic Fluid	5767	1	1	4	1	1	2	4	2	2	4	4	2	1	4	X
ANG-25 (Di-ester Base)	10746	2	2	4	1	2	4	4	2	4	4	4	4	2	2	X
ANG-25 (Glycerol Ester)	23711	2	2	1	1	1	2	2	4	4	2	2	2	2	2	X
ASTM Oil #1	5747	1	1	4	1	1	1	4	1	1	4	4	2	1	1	1
ASTM Oil #2	5747	1	1	4	1	1	2	4	1	2	4	4	4	1	4	1
ASTM Oil #3	5747	1	1	4	1	1	4	4	1	2	4	4	4	1	3	1
ASTM Oil #4	10746	2	2	4	1	1	4	4	2	4	4	4	4	2	4	1
ASTM Oil #5	10746	1	1	4	1	1	2	X	X	X	X	X	X	X	X	1
ASTM Reference Fuel A	5747	1	1	4	1	1	2	4	2	1	4	4	2	1	4	1
ASTM Reference Fuel B	5767	1	1	4	1	1	4	4	4	2	4	4	4	1	4	1
ASTM Reference Fuel C	10746	2	2	4	1	1	4	4	4	4	4	4	4	2	4	1
ASTM Reference Fuel D	10746	2	2	4	1	4	4	X	X	X	X	X	X	X	X	1
ATL-857	10746	2	2	4	1	1	4	4	2	4	4	4	4	2	4	X
Abietic Acid	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Acetaldehyde	23711	4	3	1	4	3	3	3	4	4	1	2	3	4	2	1
Acetamide	4753	1	1	1	2	2	2	4	4	4	1	4	2	1	2	1
Acetanilide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Acetic Acid, 30%	23711	2	2	1	2	X	1	2	4	4	2	2	2	2	1	1
Acetic Acid, 5%	23711	2	2	1	1	1	1	2	4	4	1	2	1	2	1	1
Acetic Acid, Glacial	23711	3	3	1	3	3	4	2	4	4	2	2	3	4	2	1
Acetic Acid, Hot, High Pressure	N/A	4	4	3	4	3	4	4	4	4	4	4	3	4	3	1
Acetic Anhydride	4753	3	4	2	4	2	2	2	4	4	2	2	1	4	3	1
Acetoacetic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Acetone	23711	4	4	1	4	2	3	3	4	4	1	3	2	4	3	1
Acetone Cyanohydrin	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Acetonitrile	23711	3	X	1	1	1	X	X	X	X	X	X	X	X	X	1
Acetophenetidine	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Acetophenone	23711	4	4	1	4	2	4	4	4	4	1	4	4	4	4	1
Acetotoluidide	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Acetyl Acetone	23711	4	4	1	4	2	4	4	4	4	1	4	4	4	4	1
Acetyl Bromide	10746	4	4	1	1	2	4	4	4	4	1	4	4	4	4	1
Acetyl Chloride	10746	4	4	4	1	2	4	4	4	4	4	4	4	1	4	1
Acetylene	23711	1	1	1	1	1	2	2	4	4	1	2	2	X	2	1
Acetylene Tetrabromide	8876	4	4	1	1	1	2	4	X	4	1	X	X	X	X	1
Acetylene Tetrachloride	8876	4	4	1	1	1	2	4	X	4	1	X	X	X	X	1
Acetylsalicylic Acid	8876	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1



Compound Selection Guide

Compound Worksheet



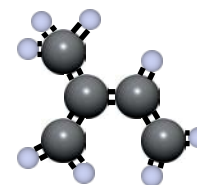
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Acids, Non-organic	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Acids, Organic	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aconitic Acid	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Acridine	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Acrolein	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Acrylic Acid	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Acrylonitrile	34744	4	4	4	3	3	4	4	4	4	4	4	3	4	4	1
Adipic Acid	23711	1	1	2	1	2	1	1	X	X	1	1	X	1	X	1
Aero Lubriplate	3720	1	1	4	1	2	1	2	1	1	4	4	1	1	2	1
AeroShell Grease 17	3720	1	1	4	1	2	2	4	1	1	4	4	1	1	2	1
AeroShell Grease 750	10746	2	2	4	1	2	4	4	2	4	4	4	4	2	4	1
AeroShell Grease 7A	3720	2	2	4	1	2	2	4	1	1	4	4	1	1	2	1
AeroShell Grease 1AC	3720	1	1	4	1	2	2	4	1	1	4	4	1	1	2	1
Aerosafe 2300	23711	4	4	1	4	2	4	4	4	4	2	4	4	3	3	1
Aerosafe 2300W	23711	4	4	1	4	2	4	4	4	4	2	4	4	3	3	1
Aerozine 50 (50% Hydrazine 50% UDMH)	23711	3	3	1	4	2	4	4	X	4	1	4	4	4	4	2
Air Below 200° F	23711	2	2	1	1	1	1	2	1	2	1	2	1	1	1	1
Air, 200 - 300° F	19711	3	3	2	1	1	2	4	2	3	2	4	2	1	1	1
Air, 300 - 400° F	19711	4	4	4	1	2	4	4	4	4	4	4	4	2	1	1
Air, 400 - 500° F	N/A	4	4	4	3	3	4	4	4	4	4	4	4	4	2	2
Aliphatic Dicarboxylic Acid	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Alkanes (Paraffin Hydrocarbons)	5767	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Alkanesulfonic Acid	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Alkazene	10746	4	4	4	2	2	4	4	4	4	4	4	4	2	4	1
Alkenes (Olefin Hydrocarbons)	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Alkyl Acetone	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Alkyl Alcohol	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Alkyl Amine	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Alkyl Aryl Sulfonates	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Alkyl Aryl Sulfonics	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Alkyl Benzene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Alkyl Chloride	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Alkyl Sulfide	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Alkyl naphthalene Sulfonic Acid	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Allyl Chloride	10746	2	2	4	1	X	1	X	X	X	X	X	X	X	X	1
Allylidene Diacetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Alpha Picoline	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Aluminum Acetate	23711	2	2	1	4	2	2	2	4	4	1	1	1	4	4	1
Aluminum Bromide	5747	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1

1 = Satisfactory, 2 = Fair, 3 = Poor, 4 = Unsatisfactory, X = Unknown



Compound Selection Guide

Compound Worksheet



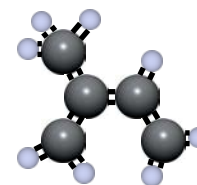
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Aluminum Chlorate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Aluminum Chloride	5780	1	1	1	1	1	1	1	1	3	1	1	1	1	2	1
Aluminum Ethylate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aluminum Fluoride	5780	1	1	1	1	1	1	1	X	3	1	2	1	1	2	1
Aluminum Fluorosilicate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aluminum Formate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Aluminum Hydroxide	23711	2	X	1	2	1	X	X	X	X	X	X	X	X	2	1
Aluminum Linoleate	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Aluminum Nitrate	5780	1	1	1	1	1	1	1	X	3	1	1	1	X	2	1
Aluminum Oxalate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Aluminum Phosphate	23711	1	1	1	1	1	1	1	X	X	1	1	1	X	1	1
Aluminum Potassium Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Aluminum Salts	5747	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1
Aluminum Sodium Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Aluminum Sulfate	5780	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1
Alums-NH3 -Cr -K	5747	1	1	1	4	2	1	1	4	X	1	1	1	4	1	1
Ambrex 33 (ExxonMobil)	5747	1	1	4	1	2	2	4	1	2	4	4	3	3	4	1
Ambrex 830 (ExxonMobil)	5747	1	1	3	1	2	2	4	1	1	3	4	2	1	2	1
Amines-Mixed	4753	4	4	2	4	3	2	2	4	4	2	2	4	4	2	1
Aminoanthraquinone	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aminoazobenzene	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Aminobenzene Sulfonic Acid	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aminobenzoic Acid	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Aminopyridine	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Aminosalicyclic Acid	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Ammonia (Anhydrous)	4753	2	2	1	4	2	1	4	4	4	1	4	2	4	3	1
Ammonia and Lithium Metal in Solution	23711	2	2	2	4	3	X	4	4	4	2	4	4	4	4	4
Ammonia, Gas, Cold	4753	1	1	1	4	2	1	1	4	3	1	1	1	4	1	1
Ammonia, Gas, Hot	19711	4	4	2	4	2	2	4	4	4	2	4	2	4	1	1
Ammonia, Liquid (Anhydrous)	4753	2	2	1	4	2	1	4	4	4	1	4	2	4	3	1
Ammonium Acetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Arsenate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Benzoate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Bicarbonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Bisulfite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Bromide	5747	1	1	1	1	1	1	1	X	1	1	1	1	X	X	1
Ammonium Carbamate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Carbonate	4753	4	4	1	1	1	1	1	4	4	1	1	1	X	X	1
Ammonium Chloride, 2N	5780	1	1	1	1	1	1	1	X	1	1	1	1	X	X	1

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Compound Selection Guide

Compound Worksheet



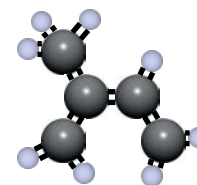
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Ammonium Citrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Dichromate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Diphosphate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Fluoride	5747	1	1	1	1	1	1	1	X	1	1	1	1	X	X	1
Ammonium Fluorosilicate	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Ammonium Formate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Hydroxide, 3 Molar	23711	1	1	1	3	2	1	2	4	4	1	2	1	1	1	2
Ammonium Hydroxide, Concentrated	23711	4	4	1	2	2	1	4	4	4	1	4	1	2	1	1
Ammonium Iodide	5747	1	1	1	1	1	1	1	X	1	1	1	1	X	X	1
Ammonium Lactate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Metaphosphate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Molybdenate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Nitrate, 2N	5780	1	1	1	1	1	1	2	2	4	1	3	1	X	X	1
Ammonium Nitrite	5780	1	1	1	1	2	1	1	X	X	1	1	1	X	2	1
Ammonium Oxalate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Perchlorate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Perchloride	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Ammonium Persulfate 10%	23711	4	4	1	1	2	1	4	4	4	1	1	1	X	X	1
Ammonium Persulfate Solution	23711	4	4	1	1	2	X	4	4	4	1	1	1	X	X	1
Ammonium Phosphate	5780	1	1	1	1	2	1	1	X	X	1	1	1	X	1	1
Ammonium Phosphate, Dibasic	5780	1	1	1	1	2	1	1	X	X	1	1	1	X	1	1
Ammonium Phosphate, Mono-Basic	5780	1	1	1	1	2	1	1	X	X	1	1	1	X	1	1
Ammonium Phosphate, Tribasic	5780	1	1	1	1	2	1	1	X	X	1	1	1	X	1	1
Ammonium Phosphite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Picrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Polysulfide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Salicylate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Salts	5747	1	1	1	3	2	1	1	3	X	1	1	1	3	1	1
Ammonium Sulfamate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Sulfate	5780	1	1	1	2	2	1	1	4	1	1	1	1	X	X	1
Ammonium Sulfate Nitrate	5747	1	1	1	4	2	1	2	4	X	1	1	1	X	X	1
Ammonium Sulfide	5747	1	1	1	4	2	1	2	4	X	1	1	1	X	X	1
Ammonium Sulfite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Thiocyanate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Thioglycolate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Thiosulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Tungstate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ammonium Valerate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Amyl Acetate	34860	4	4	3	4	3	4	4	4	4	3	4	4	4	4	1

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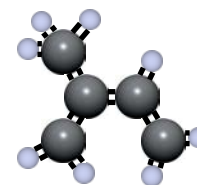
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU /EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Amyl Alcohol	23711	2	2	1	2	1	2	2	4	4	1	2	1	1	4	1
Amyl Borate	5780	1	1	4	1	X	1	4	X	X	4	4	1	X	X	1
Amyl Butyrate	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Amyl Chloride	10746	X	X	4	1	2	4	4	4	X	4	4	4	2	4	1
Amyl Chloronaphthalene	10746	4	4	4	1	2	4	4	4	4	4	4	4	2	4	1
Amyl Cinnamic Aldehyde	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Amyl Laurate	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Amyl Mercaptan	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Amyl Naphthalene	10746	4	4	4	1	2	4	4	2	4	4	4	4	1	4	1
Amyl Nitrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Amyl Nitrite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Amyl Phenol	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Amyl Propionate	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Anderol®, L- 774 (di-ester)	10746	2	2	4	1	2	4	4	2	4	4	4	4	2	4	1
Anderol®, L- 826 (di-ester)	10746	2	2	4	1	2	4	4	2	4	4	4	4	2	4	1
Anderol®, L- 829 (di-ester)	10746	2	2	4	1	2	4	4	2	4	4	4	4	2	4	1
Aniline	23711	4	4	1	3	1	4	4	4	4	1	4	3	3	4	1
Aniline Dyes	23711	4	4	1	2	2	2	2	4	4	2	2	2	2	3	1
Aniline Hydrochloride	23711	2	2	2	2	2	4	4	4	4	2	2	4	2	4	1
Aniline Oil	23711	4	4	2	3	2	4	4	4	4	2	4	4	3	4	1
Aniline Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Aniline Sulfite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Animal Fats	5780	1	1	2	1	1	2	4	1	1	2	4	2	1	2	1
Animal Oil (Lard Oil)	5780	1	1	2	1	2	2	4	1	1	2	4	4	1	2	1
Anisole	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Anisoyl Chloride	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Ansul Ether 161 or 181	34860	3	3	3	4	3	4	4	4	2	3	4	4	3	4	1
Anthracene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Anthranilic Acid	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Anthraquinone	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Anti-freeze Solutions	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Antimony Chloride	5747	1	1	4	1	1	2	4	1	1	4	4	2	1	4	1
Antimony Pentachloride	5747	1	1	4	1	1	2	4	1	1	4	4	2	1	4	1
Antimony Pentafluoride	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2
Antimony Sulfate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Antimony Tribromide	5747	1	1	4	1	1	2	4	1	1	4	4	2	1	4	1
Antimony Trichloride	5747	1	1	4	1	1	2	4	1	1	4	4	2	1	4	1
Antimony Trifluoride	5747	1	1	4	1	1	2	4	1	1	4	4	2	1	4	2
Antimony Trioxide	5747	1	1	4	1	1	2	4	1	1	4	4	2	1	4	1

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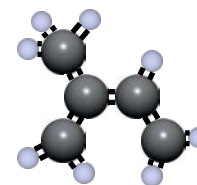
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Aqua Regia	34860	4	4	3	2	3	4	4	4	4	4	4	2	3	4	1
Arachidic Acid	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Argon	13766	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Aroclor, 1248	10746	3	3	3	1	1	4	4	4	4	3	4	1	2	2	1
Aroclor, 1254	10746	4	4	3	1	1	4	4	4	4	4	4	4	2	3	1
Aroclor, 1260	10746	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1
Aromatic Fuel - 50%	10746	2	2	4	1	2	4	4	4	4	4	4	4	2	4	1
Arsenic Acid	23711	1	1	1	1	1	1	1	3	3	1	2	1	1	1	1
Arsenic Oxide	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Arsenic Trichloride	5780	1	1	3	4	X	1	4	X	X	3	4	X	X	X	1
Arsenic Trioxide	5747	1	1	4	4	X	1	X	X	X	X	X	X	X	X	1
Arsenic Trisulfide	5747	1	1	4	4	X	1	X	X	X	X	X	X	X	X	1
Arsenites	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Arsine	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aryl Orthosilicate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Ascorbic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Askarel Transformer Oil	10746	2	2	4	1	2	4	4	4	4	4	4	4	2	4	1
Aspartic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Asphalt	10746	2	2	4	1	2	2	4	2	2	4	4	2	2	4	1
Atlantic Dominion F	5767	1	1	4	1	2	2	4	1	2	4	4	4	1	4	1
Atlantic Utro Gear-EP Lube.	10746	1	1	4	1	2	2	4	1	1	4	4	4	1	4	1
Atlantic Utro Gear-e	5767	1	1	4	1	1	2	X	X	X	X	X	X	X	X	1
Aure 903R (Mobil)	3716	1	1	4	1	2	2	4	1	1	4	2	4	4	4	1
Automatic Transmission Fluid (Type A)	3720	1	1	4	1	2	2	4	1	1	4	4	2	1	2	1
Automotive Brake Fluid	23747	3	3	1	4	2	2	1	4	4	2	X	2	4	3	1
Azobenzene	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Bardol B	10746	4	4	4	1	2	4	4	4	4	4	4	4	2	4	1
Barium Carbonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Barium Chlorate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Barium Chloride	5780	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Barium Cyanide	5747	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Barium Hydroxide	5780	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1
Barium Iodide	5747	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Barium Nitrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Barium Oxide	5747	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1
Barium Peroxide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Barium Polysulfide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Barium Salts	5747	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Barium Sulfate	5780	1	1	1	1	1	1	X	X	X	X	X	X	X	X	1

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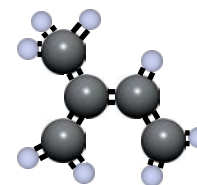
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Barium Sulfide	5780	1	1	1	1	1	1	2	4	1	1	1	1	1	1	1
Bayol 35	5747	1	1	4	1	2	2	4	1	2	4	4	4	1	4	1
Bayol D	5747	1	1	4	1	2	2	4	1	4	4	4	4	1	4	1
Beer	23744	1	1	1	1	1	1	1	4	2	1	1	1	1	1	1
Beet Sugar Liquids	3744	1	1	1	1	1	1	X	X	X	X	X	X	X	X	1
Beet Sugar Liquors	3744	1	1	1	1	1	2	1	4	4	1	1	1	1	1	1
Benzaldehyde	23711	4	4	1	4	2	4	4	4	4	1	4	1	3	2	1
Benzaldehyde Disulfonic Acid	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benzamide	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Benzanthrone	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Benzene	10746	4	4	4	1	3	4	4	4	3	4	4	4	3	4	1
Benzene Hexachloride	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benzenesulfonic Acid 10%	8782	4	4	3	1	2	2	4	4	4	4	4	1	2	4	1
Benzidine	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Benzidine 3 Sulfonic Acid	8782	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Benzil	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Benzilic Acid	8782	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Benzine (Ligroin)	10746	1	1	4	1	2	2	4	1	2	4	4	3	1	4	1
Benzocatechol	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Benzochloride	10746	4	4	1	1	1	4	4	4	X	2	4	4	1	X	1
Benzoic Acid	8782	3	3	3	1	2	4	4	3	4	4	4	4	2	3	1
Benzoin	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	X
Benzonitrile	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Benzophenone	10746	X	X	2	1	2	X	4	4	4	2	X	X	1	X	1
Benzoquinone	10746	X	X	2	1	2	X	4	4	4	2	X	X	X	X	1
Benzotrichloride	10746	4	4	1	1	1	4	X	X	X	X	X	X	X	X	1
Benzotrifluoride	10746	4	4	1	1	1	4	X	X	X	X	X	X	X	X	1
Benzoyl Chloride	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Benzoyl Peroxide	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Benzoylsulfonic Acid	8782	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Benzyl Acetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Benzyl Alcohol	10746	4	4	1	1	1	2	4	4	4	1	4	2	2	2	1
Benzyl Amine	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benzyl Benzoate	10746	4	4	2	1	2	4	4	4	4	2	4	4	1	4	1
Benzyl Bromide	10746	4	4	4	1	2	4	4	4	4	4	4	4	1	4	1
Benzyl Butyl Phthalate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Benzyl Chloride	10746	4	4	4	1	1	4	4	4	4	4	4	4	2	4	1
Benzyl Phenol	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Benzyl Salicylate	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1

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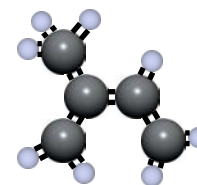
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Beryllium Chloride	5747	1	1	1	1	1	3	3	3	3	1	3	3	3	3	1
Beryllium Fluoride	5747	1	1	1	1	1	3	3	3	3	1	3	3	3	3	1
Beryllium Oxide	5747	1	1	1	1	1	3	3	3	3	1	3	3	3	3	1
Beryllium Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Bismuth Carbonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Bismuth Nitrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Bismuth Oxychloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Black Liquor	23711	2	X	1	1	1	1	X	X	X	X	X	X	X	X	3
Black Point 77	5747	1	1	1	1	1	3	3	3	3	1	3	3	3	3	1
Blast Furnace Gas	19711	4	4	4	1	2	4	4	4	4	4	4	4	2	1	1
Bleach Liquor	23711	3	3	1	1	1	2	3	4	4	1	3	1	2	2	1
Bleach Solutions	23711	4	2	1	1	1	4	4	4	4	1	4	1	2	2	1
Borax	23711	2	1	1	1	1	1	2	2	1	1	2	1	2	2	1
Borax Solutions	23711	X	X	1	1	X	X	X	X	X	X	X	X	X	X	1
Bordeaux Mixture	23711	2	2	1	1	1	2	2	4	4	1	2	1	2	2	1
Boric Acid	5780	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1
Boric Oxide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Borneol	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Bornyl Acetate	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Bornyl Chloride	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Bornyl Formate	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Boron Fluids (HEF)	10746	2	2	4	1	2	4	4	4	4	4	4	4	2	4	1
Boron Hydride	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Boron Phosphate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Boron Tribromide	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Boron Trichloride	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Boron Trifluoride	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Boron Trioxide	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Brake Fluid DOT3 (Glycol Type)	23747	3	3	1	4	2	2	1	X	4	2	X	2	4	3	4
Bray GG-130	10746	2	2	4	1	2	4	4	2	4	4	4	4	2	4	1
Brayco® 719-R (VV-H-910)	23747	3	3	1	4	2	2	X	4	4	2	2	2	2	2	4
Brayco® 885 (MIL-L-6085A)	10746	2	2	4	1	2	4	4	2	1	4	4	4	2	4	1
Brayco® 910	23711	2	2	1	4	2	2	2	3	3	1	1	1	4	4	1
Bret 710	23711	2	2	1	4	2	2	2	3	3	1	1	1	4	4	4
Brine	5767	1	1	1	1	X	1	1	4	2	1	1	1	1	1	1
Brine (Seawater)	23711	1	1	3	1	1	4	X	X	X	X	X	X	X	X	X
Bromic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Bromine	10746	4	4	4	1	2	4	4	4	4	4	4	4	2	4	1
Bromine Pentafluoride	N/A	4	4	4	4	3	4	4	4	4	4	4	4	4	4	2

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Compound Selection Guide

Compound Worksheet



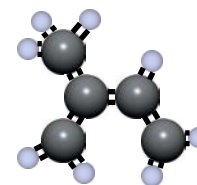
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU /EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Bromine Trifluoride	34860	4	4	4	4	3	4	4	4	4	4	4	4	4	4	1
Bromine Water	10746	4	3	2	1	3	4	4	4	4	3	4	1	2	4	1
Bromobenzene	10746	4	4	4	1	2	4	4	4	4	4	4	4	1	4	1
Bromobenzene Cyanide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Bromochloro Trifluoroethane (Halothane)	10746	4	4	4	1	2	4	4	4	4	4	4	4	2	4	1
Bromoform	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Bromomethane (Methyl Bromide)	10746	2	2	4	1	1	4	4	3	X	4	4	4	1	X	1
Bromotrifluoroethylene (BFE)	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Bromotrifluoromethane (F-13B1)	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Brucine Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Bunker Oil	5780	1	1	4	1	2	4	4	1	2	4	4	4	1	2	1
Bunker's "C" (Fuel Oil)	5780	1	1	4	1	X	2	4	1	2	4	4	2	1	4	1
Butadiene (Monomer)	10746	4	4	3	1	2	4	4	4	4	4	4	3	2	4	1
Butane	5780	1	1	4	1	2	1	4	1	1	4	4	2	1	4	1
Butane, 2, 2-Dimethyl	5747	1	1	4	1	2	2	3	1	4	4	4	2	3	4	1
Butane, 2, 3-Dimethyl	5747	1	1	4	1	2	2	3	1	4	4	4	2	3	4	1
Butanedial	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Butanol (Butyl Alcohol)	5747	1	1	2	1	1	1	1	4	4	2	1	1	1	2	1
Butene 2-Ethyl (1-Butene 2-Ethyl)	5747	1	1	4	1	1	4	4	1	4	4	4	4	3	4	1
Butter-Animal Fat	3741	1	1	1	1	1	2	4	1	1	2	4	2	1	2	1
Butyl Acetate or n-Butyl Acetate	34860	4	4	3	4	4	4	4	4	4	3	4	4	4	4	1
Butyl Acetyl Ricinoleate	23711	3	2	1	1	1	2	4	X	4	1	4	2	2	X	1
Butyl Acrylate	19711	4	4	4	4	4	4	4	4	X	4	4	4	4	2	1
Butyl Alcohol	5780	1	1	2	1	1	1	1	4	4	2	1	1	1	2	1
Butyl Alcohol (Secondary)	10746	2	2	2	1	1	2	2	4	4	2	2	2	2	2	1
Butyl Alcohol (Tertiary)	10746	2	2	2	1	1	2	2	4	4	2	2	2	2	2	1
Butyl Amine or N-Butyl Amine	23711	3	3	2	4	3	4	4	4	4	3	4	4	4	4	1
Butyl Benzoate	10746	4	4	2	1	X	4	2	4	4	2	3	4	1	2	1
Butyl Benzolate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyl Butyrate or n-Butyl Butyrate	23711	4	4	1	1	X	4	4	4	X	1	4	4	1	X	1
Butyl Carbitol	23711	4	4	1	3	2	3	4	4	X	1	4	2	4	4	1
Butyl Cellosolve	23711	3	3	2	4	2	3	4	4	4	2	4	4	4	X	1
Butyl Cellosolve Acetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Butyl Cellosolve Adipate	23711	4	4	2	2	2	4	4	4	4	2	4	4	2	2	1
Butyl Chloride	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Butyl Ether or n-Butyl Ether	34860	3	3	3	4	X	4	4	4	3	3	4	4	3	4	1
Butyl Glycolate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Butyl Lactate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Butyl Laurate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1

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Compound Worksheet



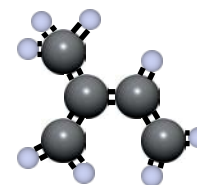
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Butyl Mercaptan (Tertiary)	10746	4	4	4	1	X	4	4	4	4	4	4	4	X	4	1
Butyl Methacrylate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Butyl Oleate	10746	4	4	2	1	2	4	4	X	X	2	4	4	2	X	1
Butyl Oxalate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Butyl Stearate	10746	2	2	3	1	1	4	4	X	X	3	4	4	2	X	1
Butylbenzoic Acid	8782	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Butylene	10746	2	4	4	1	2	3	4	4	4	4	4	4	2	4	1
Butyraldehyde	23711	4	4	2	4	2	3	4	4	4	2	4	4	4	4	1
Butyric Acid	8782	4	4	2	2	1	4	4	4	X	2	X	4	X	X	1
Butyric Anhydride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Butyrolacetone	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Butyryl Chloride	8782	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Cadmium Chloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Cadmium Cyanide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Cadmium Nitrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Cadmium Oxide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Cadmium Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Cadmium Sulfide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Calcine Liquors	3744	1	1	1	1	1	X	X	4	4	1	X	X	1	X	1
Calcium Acetate	23711	2	2	1	4	1	2	4	4	4	1	1	2	4	4	1
Calcium Arsenate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Calcium Benzoate	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Calcium Bicarbonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Calcium Bisulfide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Calcium Bisulfite	4751	4	1	4	1	1	1	2	4	1	4	4	1	1	1	1
Calcium Bromide	5747	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Calcium Carbide	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Calcium Carbonate	5747	1	1	1	1	1	1	1	3	3	1	1	1	1	1	1
Calcium Chlorate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Calcium Chloride	5780	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Calcium Chromate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Calcium Cyanamide	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Calcium Cyanide	5747	1	1	1	X	1	1	1	X	X	1	1	1	X	1	1
Calcium Fluoride	5747	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Calcium Gluconate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Calcium Hydride	5747	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Calcium Hydrosulfide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Calcium Hydroxide	5780	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1
Calcium Hypochlorite	23711	2	2	1	1	1	3	3	4	4	1	3	1	2	2	1

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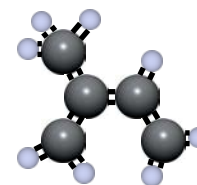
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Calcium Hypophosphite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Calcium Lactate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Calcium Naphthenate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Calcium Nitrate	5780	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
Calcium Oxalate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Calcium Oxide	5747	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Calcium Permanganate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Calcium Peroxide	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Calcium Phenolsulfonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Calcium Phosphate	5747	1	1	1	1	1	2	1	1	1	1	1	1	X	1	1
Calcium Phosphate Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Calcium Propionate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Calcium Pyridine Sulfonate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Calcium Salts	5747	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
Calcium Silicate	5747	1	1	1	1	1	1	1	X	X	1	1	1	X	X	1
Calcium Stearate	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Calcium Sulfamate	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Calcium Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Calcium Sulfide	5780	1	1	1	1	1	1	2	4	1	1	2	1	1	1	1
Calcium Sulfite	5747	1	1	1	1	1	1	2	4	1	1	2	1	1	1	1
Calcium Thiocyanate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Calcium Thiosulfate	23711	2	2	1	1	1	1	2	4	1	1	2	1	1	1	1
Calcium Tungstate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Caliche Liquors	3744	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
Camphene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Camphor	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Camphoric Acid	8782	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Cane Sugar Liquors	3744	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1
Capric Acid	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Caproic Acid	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Caproic Aldehyde	23711	X	X	2	4	3	X	X	4	4	2	2	X	4	2	1
Caprolactam	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Capronaldehyde	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Carbamate	10746	3	3	2	1	1	2	4	4	4	2	4	2	1	X	1
Carbazole	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Carbitol	23711	2	2	2	2	1	2	2	4	4	2	2	2	2	2	1
Carbolic Acid (Phenol)	8782	4	4	2	1	1	3	4	4	3	2	4	4	1	4	1
Carbon Bisulfide	10746	3	4	4	1	1	4	4	3	X	4	4	4	1	4	1
Carbon Dioxide	5767	1	1	2	1	1	2	2	1	1	2	2	2	1	2	1

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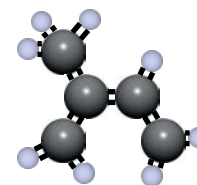
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Carbon Dioxide (RGD Use)	623906	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Carbon Disulfide	10746	4	4	4	1	2	4	4	3	X	4	4	4	1	4	1
Carbon Fluorides	10746	2	2	4	1	2	4	4	4	4	4	4	4	2	4	1
Carbon Monoxide	5780	1	1	1	1	1	2	2	X	1	1	2	2	2	1	1
Carbon Tetrabromide	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Carbon Tetrachloride	10746	3	2	4	1	4	4	4	4	4	4	4	4	3	4	1
Carbon Tetrafluoride	10746	2	2	4	1	2	4	4	4	4	4	4	4	2	4	1
Carbonic Acid	23711	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1
Casein	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Castor Oil	3744	1	1	2	1	1	1	1	1	1	2	1	2	1	1	1
Caustic Lime	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Caustic Potash	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Caustic Soda (Sodium Hydroxide)	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Cellosolve	23711	4	4	2	3	3	4	4	4	4	2	4	4	4	4	1
Cellosolve Butyl	23711	4	4	2	4	2	4	4	4	4	2	4	4	4	4	4
Cellosolve, Acetate	23711	4	4	2	4	2	4	4	4	4	2	4	4	4	4	1
Cellugard	5747	1	1	1	1	1	1	1	3	4	1	1	1	1	1	1
Cellulose Acetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Cellulose Acetate Butyrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Cellulose Ether	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Cellulose Nitrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Cellulose Tripropionate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Cellutherm™ 2505A	10746	2	2	4	1	2	4	4	2	4	4	4	4	2	4	1
Cerium Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Cerous Chloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Cerous Fluoride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Cerous Nitrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Cetane (Hexadecane)	5747	1	1	4	1	2	2	4	1	4	4	4	2	3	4	1
Cetyl Alcohol	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Chaulmoogric Acid	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
China Wood Oil (Tung Oil)	5780	1	1	3	1	2	2	4	X	3	3	4	3	2	4	1
Chloral	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Chloramine	23761	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Chloranthraquinone	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Chlordane	10746	2	2	4	1	2	3	4	X	X	4	4	3	2	4	1
Chlorextol	10746	2	2	4	1	2	2	4	2	4	4	4	4	2	4	1
Chloric Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Chlorinated Solvents, Dry	10746	4	4	4	1	2	4	4	4	4	4	4	4	1	4	1
Chlorinated Solvents, Wet	10746	4	4	4	1	2	4	4	4	4	4	4	4	1	4	1

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Compound Selection Guide

Compound Worksheet



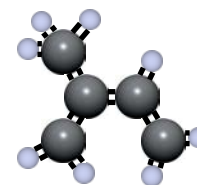
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Chlorine Dioxide	10746	4	4	3	1	2	4	4	4	4	3	4	3	2	X	2
Chlorine Dioxide (8% Cl as NaClO2)	8782	4	4	4	1	2	4	4	4	4	4	4	4	2	X	1
Chlorine Trifluoride	N/A	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2
Chlorine Water	8782	3	3	2	1	1	4	X	X	X	X	X	X	X	X	1
Chlorine, Dry	8782	4	3	4	1	2	3	4	4	4	4	4	2	1	4	1
Chlorine, Wet	34860	4	3	3	2	2	3	4	4	4	3	4	3	2	4	1
Chloro 1-Nitro Ethane	N/A	4	4	4	4	3	4	4	4	4	4	4	4	4	4	1
Chloro Oxyfluorides	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2
Chloro Xylenols	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Chloroacetaldehyde	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	2
Chloroacetic Acid	23711	4	4	1	4	2	4	4	4	4	2	4	1	4	X	1
Chloroacetone	23711	4	4	1	4	2	3	4	4	4	2	4	4	4	4	1
Chloroacetyl Chloride	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Chloroamino Benzoic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Chloroaniline	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Chlorobenzaldehyde	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Chlorobenzene	10746	4	4	4	1	2	4	4	4	4	4	4	4	2	4	1
Chlorobenzene (Mono)	10746	4	4	4	1	2	4	4	4	4	4	4	4	2	4	1
Chlorobenzene Chloride	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Chlorobenzene Trifluoride	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Chlorobenzochloride	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Chlorobenzotrifluoride	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Chlorobromo Methane	10746	4	4	2	1	1	4	4	4	4	2	4	4	2	4	1
Chlorobromopropane	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Chlorobutadiene	10746	4	4	4	1	2	4	4	4	4	4	4	4	2	4	1
Chlorobutane (Butyl Chloride)	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Chlorododecane	10746	4	4	4	1	2	4	4	4	4	4	4	4	1	4	1
Chloroethane	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Chloroethane Sulfonic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Chloroethylbenzene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Chloroform	10746	4	4	4	1	2	4	4	4	4	4	4	4	4	4	1
Chlorohydrin	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Chloronaphthalene or o-Chloronaphthalene	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Chloronitrobenzene	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Chlorophenol or o-Chlorophenol	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Chloropicrin	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Chloroprene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Chlorosilanes	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Chlorosulfonic Acid	N/A	4	4	4	4	1	4	4	4	4	4	4	4	4	4	1

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Compound Worksheet



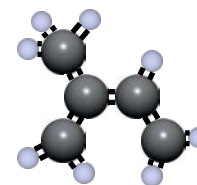
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Chlorotoluene	8782	4	4	4	1	2	4	4	4	4	4	4	4	2	4	1
Chlorotoluene Sulfonic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Chlorotoluidine	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Chlorotrifluoroethylene (CTFE)	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2
Chlorox	10746	2	2	2	1	1	1	4	4	4	2	4	2	2	2	1
Chloroxylols	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cholesterol	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Chrome Alum	5747	1	1	1	1	1	1	1	4	X	1	1	1	X	1	1
Chrome Plating Solutions	10746	4	4	2	1	1	4	4	4	4	2	4	4	2	2	1
Chromic Acid	10746	4	4	3	1	1	3	4	4	4	4	4	2	3	3	1
Chromic Chloride	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Chromic Fluorides	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Chromic Hydroxide	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Chromic Nitrates	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Chromic Oxide	10746	4	4	2	1	1	4	X	X	X	X	X	X	X	X	1
Chromic Phosphate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Chromic Sulfate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Chromium Potassium Sulfate (Alum)	10746	2	X	2	1	2	X	X	X	X	X	X	X	X	X	1
Chromyl Chlorides	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cinnamic Acid	8782	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Cinnamic Alcohol	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Cinnamic Aldehyde	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Circo Light Process Oil	5747	1	1	4	1	2	2	4	1	1	4	4	2	1	4	1
Citric Acid	4753	1	1	1	1	1	1	1	X	1	1	1	1	1	1	1
Clorox®	10746	2	X	2	1	X	X	X	X	X	X	X	X	X	X	1
Coal Tar	5780	1	X	4	1	X	2	4	1	3	4	4	4	1	4	1
Cobalt Chloride	5780	1	1	1	1	1	1	1	4	4	1	1	1	1	2	1
Cobalt Chloride, 2N	5780	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1
Cobaltous Acetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Cobaltous Bromide	5747	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1
Cobaltous Linoleate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cobaltous Naphthenate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cobaltous Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Coconut Oil	3744	1	1	3	1	2	2	4	1	2	3	4	3	1	1	1
Cod Liver Oil	3744	1	1	1	1	1	2	4	1	1	1	4	2	1	2	1
Codeine	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Coffee	3744	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1
Coke Oven Gas	10746	4	4	4	1	2	4	4	4	4	4	4	3	2	2	1
Coliche Liquors	4753	2	2	2	X	2	1	2	X	X	2	1	X	X	X	X

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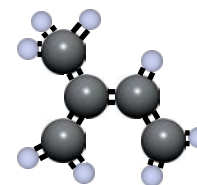
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Convelex 10	N/A	4	4	X	X	X	4	4	X	2	4	4	4	X	4	X
Coolanol™ 20 25R 35R 40& 45A (Mobil)	10746	1	1	3	1	2	2	4	4	1	4	4	2	1	4	1
Copper Acetate	23711	2	2	1	4	2	2	4	4	4	1	1	2	4	4	1
Copper Ammonium Acetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Copper Carbonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Copper Chloride	5780	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1
Copper Cyanide	5780	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Copper Gluconate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Copper Naphthenate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Copper Nitrate	10746	2	X	2	1	2	X	X	X	X	X	X	X	X	X	1
Copper Oxide	5747	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Copper Salts	5747	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Copper Sulfate	5780	1	1	1	1	1	1	2	4	1	2	2	1	1	1	1
Copper Sulfate 10%	5780	1	1	1	1	1	1	2	4	2	2	2	1	1	1	1
Copper Sulfate 50%	5780	1	1	1	1	1	1	2	4	3	2	1	1	1	1	1
Corn Oil	3744	1	1	3	1	2	3	4	1	1	3	4	2	1	1	1
Cottonseed Oil	5780	1	1	2	1	1	2	4	1	1	3	4	2	1	1	1
Creosote, Coal Tar	5780	1	1	4	1	2	2	4	1	3	4	4	4	1	4	1
Creosote, Wood	5780	1	1	4	1	2	2	4	1	3	4	4	4	1	4	1
Cresol (Methyl Phenol)	10746	4	X	4	1	1	3	4	4	4	4	4	4	2	4	1
Cresols	8782	4	4	4	2	2	4	4	4	X	4	4	4	X	4	X
Cresylic Acid	8782	4	1	4	1	1	3	4	4	4	4	4	4	2	4	1
Crotonaldehyde	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Crotonic Acid	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Crude Oil	10746	2	2	4	1	2	4	4	1	X	4	4	4	2	4	1
Cumaldehyde	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Cumene	10746	4	4	4	1	2	4	4	4	4	4	4	4	2	4	1
Cumene Hydroperoxide	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cupric Sulfate	10746	2	X	2	1	2	X	X	X	X	X	X	X	X	X	1
Cutting Oil	5747	1	1	4	1	2	2	4	1	1	4	4	2	1	4	1
Cyanamide	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cyanides	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cyanogen Chloride	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Cyanogen Gas	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cyanohydrin	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cyanuric Chloride	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cyclohexane	5780	1	1	4	1	2	3	4	1	1	4	4	4	2	4	1
Cyclohexanol	4751	3	1	3	1	2	1	4	X	X	4	4	2	1	4	1
Cyclohexanone	23711	4	4	2	4	2	4	4	4	4	2	4	4	4	4	1

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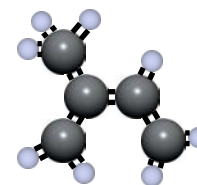
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU /EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Cyclohexene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Cyclohexylamine	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Cyclohexylamine Carbonate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cyclohexylamine Laurate	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Cyclopentadiene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Cyclopentane	5747	1	1	4	1	2	3	4	2	1	4	4	4	1	4	1
Cyclopolyolefins	10746	1	1	4	1	2	3	4	2	1	4	4	4	1	4	1
Cymene or p-Cymene	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
DDT (Dichlorodiphenyltrichloroethane)	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
DI Water	23711	1	1	1	1	1	1	1	4	3	1	1	1	1	1	1
D-Limonene Solvent	10746	2	2	4	1	2	4	4	3	2	4	4	4	4	1	X
Decalin	10746	4	4	4	1	2	4	4	X	X	4	4	4	1	4	1
Decane	5780	1	1	4	1	2	4	4	1	2	4	4	3	1	2	1
Delco® Brake Fluid	23747	3	3	1	4	2	2	1	X	X	2	X	2	4	3	1
Denatured Alcohol	23711	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1
Detergent, Water Solution	23711	1	1	1	1	1	2	2	4	4	1	2	2	1	1	1
Developing Fluids (Photo)	3744	1	1	2	1	1	1	2	X	X	2	1	1	1	1	1
Dexron®	3720	1	1	4	1	2	2	4	1	2	4	4	4	2	4	1
Dextrin	3744	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Dextro Lactic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Dextron	3720	1	1	4	1	1	2	X	X	X	X	X	X	X	X	1
Dextrose	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Di-Tert-Butyl Peroxide	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Di-ester Lubricant MIL-L-7808	10746	2	2	4	1	2	4	4	2	4	4	4	4	2	4	X
Di-ester Synthetic Lubricants	10746	2	2	4	1	2	4	4	2	4	4	4	4	2	4	X
Diacetone	23711	4	4	1	4	2	4	4	4	4	1	4	4	4	4	1
Diacetone Alcohol	23711	4	4	1	4	2	2	4	4	4	1	4	2	4	2	1
Dialkyl Sulfates	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Diallyl Ether	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Diallyl Phthalate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Diamylamine	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Diazinon	10746	3	3	4	2	2	3	4	X	X	4	4	3	2	4	1
Dibenzyl (sym-Diphenylethane)	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Dibenzyl Ether	N/A	4	4	2	4	2	3	4	X	2	2	4	4	X	X	1
Dibenzyl Sebacate	10746	4	4	2	2	2	4	4	4	2	2	4	4	3	3	1
Diborane	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dibromoethane	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Dibromoethyl Benzene	10746	4	4	4	1	2	4	4	4	4	4	4	4	2	4	1
Dibutyl Cellosolve Adipate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1

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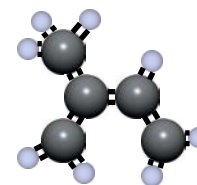
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Dibutyl Ether	N/A	4	4	3	3	3	3	4	3	2	3	4	4	3	4	1
Dibutyl Methyleneidithio Glycolate	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Dibutyl Phthalate	23711	4	4	2	3	3	4	4	4	3	3	4	4	3	2	1
Dibutyl Sebacate	23711	4	4	2	2	2	4	4	4	4	2	4	4	2	2	1
Dibutyl Thioglycolate	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Dibutyl Thiourea	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Dibutylamine	23711	4	4	1	4	4	3	4	4	4	4	4	4	4	3	1
Dichloroacetic Acid	8782	2	2	4	1	X	4	4	4	3	4	4	4	2	X	2
Dichloroaniline	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Dichlorobenzene or o-Dichlorobenzene	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Dichlorobenzene or p-Dichlorobenzene	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Dichlorobutane	10746	2	2	4	1	2	4	4	4	4	4	4	4	2	4	1
Dichlorobutene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Dichlorodiphenyl-Dichloroethane (DDD)	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Dichloroethane	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Dichloroethylene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Dichlorohydrin	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Dichloroisopropyl Ether	N/A	4	4	3	3	3	4	4	3	2	4	4	4	3	4	1
Dichloromethane	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Dichlorophenol	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Dichlorophenoxyacetic Acid	8782	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Dichloropropane	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Dichloropropene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Dichlorosilane	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dicyclohexylamine	34860	3	3	4	4	4	4	4	4	4	4	4	4	4	X	1
Dicyclohexylammonium Nitrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Dieldrin	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Diesel Exhaust Fluid (DEF)	23747	X	X	1	X	X	X	X	X	X	X	X	X	X	X	X
Diesel Oil	5747	1	1	4	1	2	3	4	1	3	4	4	3	1	4	1
Diethanolamine (DEA)	23711	2	X	2	4	X	2	2	4	3	2	2	3	4	2	1
Diethyl Benzene	10746	4	X	4	1	X	4	4	X	4	4	4	4	3	4	1
Diethyl Carbonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Diethyl Ether	N/A	4	4	4	4	4	3	4	3	1	4	4	3	3	4	1
Diethyl Phthalate	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Diethyl Sebacate	10746	2	2	2	2	2	4	4	4	4	2	4	4	2	2	1
Diethyl Sulfate	23711	4	X	1	3	2	4	X	X	X	X	X	X	X	2	1
Diethylamine	23711	2	X	1	4	X	1	1	4	4	1	1	1	1	2	1
Diethylaniline	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Diethylene Glycol	23711	1	1	1	1	1	1	1	2	4	1	1	1	1	2	1

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Compound Selection Guide

Compound Worksheet



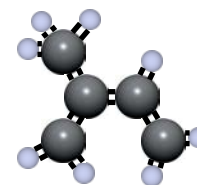
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Diethylenetriamine	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Difluorodibromomethane	23711	4	4	2	X	2	4	4	4	4	2	4	4	X	4	1
Difluoroethane	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Difluoromonochloroethane	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Diglycol Chloroformate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Diglycolic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Dihydroxydiphenylsulfone	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Diisobutyl Ketone	23711	X	X	1	X	1	X	X	X	X	1	X	X	X	X	1
Diisobutylcarbinol	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Diisobutylene	10746	2	1	4	1	2	4	4	4	4	4	4	4	3	4	1
Diisooctyl Sebacate	10746	3	3	3	2	2	4	4	4	4	4	4	4	3	3	1
Diisopropyl Ether (DIPE)	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Diisopropyl Ketone	23711	4	4	1	4	2	4	4	4	4	1	4	4	4	4	1
Diisopropylbenzene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Diisopropylidene Acetone	34860	4	X	3	4	X	4	4	4	4	4	4	4	4	4	1
Dimethyl Acetamide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Dimethyl Aniline (Xylidine)	23711	3	X	2	4	X	3	3	4	4	4	4	4	4	4	1
Dimethyl Disulfide (DMDS)	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Dimethyl Ether	5780	1	1	4	4	4	3	4	4	X	4	4	3	1	1	1
Dimethyl Formaldehyde	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Dimethyl Formamide (DMF)	23711	2	2	2	4	1	3	4	4	4	2	4	4	4	2	1
Dimethyl Hydrazine	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Dimethyl Phenyl Carbinol	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Dimethyl Phenyl Methanol	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Dimethyl Phthalate	10746	4	4	2	2	2	4	4	4	X	2	4	4	2	X	1
Dimethyl Sulfoxide (DMSO)	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Dimethyl Terephthalate (DMT)	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Dimethylamine (DMA)	23711	2	2	1	4	2	2	2	4	3	2	2	3	4	2	2
Dinitrochlorobenzene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Dinitrogen Tetroxide	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2
Dinitrotoluene (DNT)	34860	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1
Diocetyl Phthalate	10746	3	4	2	2	2	4	4	4	4	2	4	4	2	3	1
Diocetyl Sebacate	23711	4	4	2	2	1	4	4	4	2	2	4	4	3	3	1
Diocetylamine	5767	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Dioxane	23711	4	4	2	4	4	4	4	4	4	2	4	4	3	4	1
Dioxolane	23711	4	4	2	4	3	4	4	4	4	3	4	4	4	4	1
Dipentene	5780	2	2	4	1	2	4	4	4	4	4	4	4	3	4	1
Diphenyl	10746	4	4	4	1	2	4	4	4	4	4	4	4	2	4	1
Diphenyl Oxides	10746	4	4	4	1	2	4	4	4	4	4	4	4	2	3	1

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Compound Worksheet



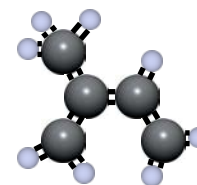
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Diphenylamine (DPA)	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Diphenylene Oxide	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Diphenylpropane	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Disilane	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Dodecylbenzene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Dow® Chemical 50-4	23711	X	X	1	4	2	2	1	X	X	2	X	2	4	X	2
Dow® Chemical ET378	N/A	4	4	X	X	X	4	4	3	2	4	4	4	X	4	2
Dow® Chemical ET588	23711	3	3	1	4	2	2	1	X	X	2	X	2	4	X	2
Dow Corning® -11	23711	2	2	1	1	1	1	1	1	1	1	1	1	1	2	1
Dow Corning® -1265	23711	2	2	1	1	1	1	1	1	1	1	1	1	3	1	1
Dow Corning® -200	23711	2	2	1	1	1	1	1	1	1	1	1	1	2	3	1
Dow Corning® -3	23711	2	2	1	1	X	1	1	1	1	1	1	1	1	2	1
Dow Corning® -33	23711	2	2	1	1	X	1	1	1	1	1	1	1	2	3	1
Dow Corning® -4	23711	2	2	1	1	X	1	1	1	1	1	1	1	1	2	1
Dow Corning® -44	23711	2	2	1	1	X	1	1	1	1	1	1	1	2	3	1
Dow Corning® -5	23711	2	2	1	1	X	1	1	1	1	1	1	1	2	3	1
Dow Corning® -510	23711	2	2	1	1	X	1	1	1	1	1	1	1	2	3	1
Dow Corning® -55	23711	2	2	1	1	X	1	1	1	1	1	1	1	2	3	1
Dow Corning® -550	23711	2	2	1	1	X	1	1	1	1	1	1	1	2	3	1
Dow Corning® -704	23711	2	2	1	1	X	1	1	1	1	1	1	1	2	3	1
Dow Corning® -705	23711	2	2	1	1	X	1	1	1	1	1	1	1	2	3	1
Dow Corning® -710	23711	2	2	1	1	X	1	1	1	1	1	1	1	2	3	1
Dow Corning® 1208, 4050, 6620, F-60	3744	1	1	1	1	1	1	X	X	X	X	X	X	X	X	X
Dow Corning® 220	3744	1	1	1	1	1	1	X	X	X	X	X	X	X	X	X
Dow Corning® F-61	3744	1	1	1	1	1	1	X	X	X	X	X	X	X	X	1
Dow® Guard	3744	1	1	1	1	X	1	1	3	3	1	1	1	1	1	1
Dowtherm™ 209	23711	3	3	1	4	X	2	X	X	X	2	X	X	3	3	1
Dowtherm™ A	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Dowtherm™ E	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Drinking Water	23761	1	1	1	1	1	1	1	4	3	1	1	1	1	1	1
Dry Cleaning Fluids	10746	3	3	4	1	X	4	4	4	4	4	4	4	2	4	1
Elco 28-EP lubricant	3720	1	1	4	1	X	3	4	1	1	4	4	4	1	2	1
Epichlorohydrin	23711	4	4	2	4	X	4	4	4	4	2	4	4	4	4	1
Epoxy Resins	23711	X	X	1	4	X	1	X	X	X	1	X	X	X	X	1
Erucic Acid	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Esam-6 Fluid	23711	X	X	1	4	X	2	1	X	X	2	X	2	4	X	1
Esso® XP90-EP lubricant	55715	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
Esstic 42, 43	5747	1	1	4	1	X	2	4	1	2	4	4	4	1	4	1
Ethane	5747	1	1	4	1	X	2	4	1	3	4	4	2	2	4	1

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Compound Worksheet



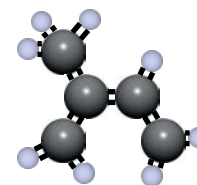
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Ethanol	23711	1	1	1	2	1	1	1	4	4	1	1	1	1	1	1
Ethanol Amine	23711	2	2	1	4	X	2	2	4	3	2	2	3	4	2	1
Ethers	34860	4	4	3	3	X	4	4	3	2	4	4	4	3	4	1
Ethoxyethyl Acetate (EGMEEA)	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ethyl Acetate-Organic Ester	23711	4	4	2	4	4	3	4	4	4	2	4	4	4	2	1
Ethyl Acetoacetate	23711	4	4	2	4	X	3	3	4	4	2	3	4	4	2	1
Ethyl Acrylate	23711	4	4	2	4	X	4	4	4	4	2	4	4	4	2	1
Ethyl Alcohol	23711	1	1	1	2	1	1	1	4	4	1	1	1	1	1	1
Ethyl Ammonium Dichloride	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Ethyl Benzene	10746	4	4	4	1	2	4	4	4	4	4	4	4	1	4	1
Ethyl Benzoate	23711	4	4	1	1	3	4	1	4	4	1	1	4	1	4	1
Ethyl Bromide	10746	2	2	4	1	X	4	X	X	X	4	4	4	1	X	1
Ethyl Cellosolve	34860	4	4	4	4	X	4	4	4	4	4	4	4	4	4	1
Ethyl Cellulose	5780	2	2	2	4	X	2	2	4	2	2	2	2	4	3	1
Ethyl Chloride	5780	1	1	3	1	X	4	4	4	2	4	4	4	1	4	1
Ethyl Chlorocarbonate	10746	4	4	2	1	X	4	4	4	4	3	4	4	2	4	1
Ethyl Chloroformate	23711	4	4	2	4	X	4	4	4	4	3	4	4	4	4	1
Ethyl Ether	34860	3	3	3	4	X	3	4	4	3	3	4	4	3	4	1
Ethyl Formate	10746	4	4	2	1	X	2	4	X	X	2	4	2	1	X	1
Ethyl Hexanol	5747	1	1	1	1	X	1	1	4	4	1	1	1	1	2	1
Ethyl Lactate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ethyl Mercaptan	10746	4	4	3	2	X	3	4	X	X	4	4	2	X	3	1
Ethyl Nitrite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ethyl Oxalate	23711	4	4	1	1	X	3	1	4	1	1	1	4	2	4	1
Ethyl Pentachlorobenzene	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Ethyl Pyridine	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Ethyl Silicate	23711	1	1	1	1	X	1	2	X	X	1	2	2	1	X	1
Ethyl Stearate	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Ethyl Sulfate	23711	X	X	1	4	1	X	X	X	X	X	X	X	X	X	1
Ethyl Tertiary Butyl Ether	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Ethyl Valerate	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Ethylacrylic Acid	23711	4	4	2	X	X	2	4	4	4	2	4	4	4	4	X
Ethylamine	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ethylcyclopentane	5747	1	1	4	1	X	3	4	2	1	4	4	4	1	4	X
Ethylene	5780	1	2	2	1	X	3	3	4	4	2	3	4	1	4	1
Ethylene Chloride	10746	4	4	3	2	X	4	4	4	4	3	4	4	3	4	1
Ethylene Chlorohydrin	10746	4	4	2	1	1	2	2	4	4	2	2	2	2	3	1
Ethylene Cyanohydrin	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Ethylene Diamine	23711	1	1	1	4	X	1	2	4	4	1	1	2	4	1	1

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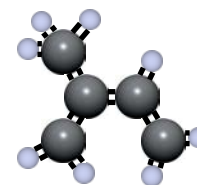
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Ethylene Dibromide	10746	4	4	3	1	X	4	4	4	4	3	4	4	3	4	1
Ethylene Dichloride	10746	4	4	3	1	2	4	4	4	4	3	4	4	3	4	1
Ethylene Glycol	23711	1	1	1	1	X	1	1	3	4	1	1	1	1	1	1
Ethylene Hydrochloride	10746	4	4	3	1	X	4	4	4	4	3	4	4	3	4	1
Ethylene Oxide	34744	4	4	3	4	X	4	4	4	4	3	4	4	4	4	1
Ethylene Oxide, (12%) and Freon 12 (80%)	N/A	3	3	2	4	X	4	4	4	4	2	4	4	4	4	4
Ethylene Trichloride	10746	4	4	3	1	X	4	4	4	4	3	4	4	3	4	1
Ethylmorpholene Stannous Octotatate (50/50)	23711	4	4	2	4	X	X	4	X	X	2	X	X	X	X	1
Ethylmorpholine	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Ethylsulfuric Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
F-60 Fluid (Dow Corning®)	23711	1	1	1	1	X	1	1	1	1	1	1	1	1	4	X
F-61 Fluid (Dow Corning®)	23711	1	1	1	1	X	1	1	1	1	1	1	1	1	4	X
FC-43 Heptacosofluorotri-butylamine	5747	1	1	1	1	X	1	4	X	X	1	X	1	1	1	1
FC75 & FC77 (Fluorocarbon)	23711	1	1	1	2	X	1	4	X	X	1	X	1	2	1	4
Fatty Acids	10746	2	2	3	1	X	2	4	X	X	3	4	2	X	3	1
Ferric Acetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ferric Ammonium Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ferric Chloride	5780	1	1	1	1	X	1	1	1	1	1	1	1	1	2	1
Ferric Ferrocyanide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ferric Hydroxide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ferric Nitrate	5780	1	1	1	1	X	1	1	1	1	1	1	1	1	2	1
Ferric Persulfate	5747	1	1	1	1	1	1	X	X	X	X	X	X	X	X	1
Ferric Sulfate	5780	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ferrous Ammonium Citrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ferrous Ammonium Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ferrous Carbonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ferrous Chloride	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Ferrous Iodide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ferrous Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ferrous Tartrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Fish Oil	8740	2	2	4	1	X	4	4	4	3	4	4	4	1	1	1
Fisher Reagent	23711	X	X	2	X	X	X	X	X	X	X	X	X	X	X	X
Fluorine (Gas)	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2
Fluorine (Liquid)	8782	4	4	4	2	X	X	X	X	X	X	X	X	X	X	2
Fluorinert	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Fluorobenzene	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Fluoroboric Acid	5767	1	X	1	X	X	1	1	X	X	1	1	1	X	X	1
Fluorocarbon Oils	23711	X	X	1	X	X	2	2	X	X	1	2	X	X	X	2
Fluoroform (Trifluoromethane)	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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Compound Selection Guide

Compound Worksheet



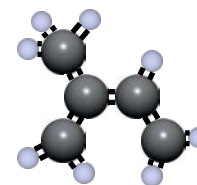
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Fluorolube®	23711	1	1	1	2	X	2	3	X	X	1	2	1	2	1	1
Fluorophosphoric Acid	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Fluorosilicic Acid	5780	1	1	2	1	1	2	3	X	X	2	2	1	4	4	1
Fluorosulfonic Acid	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Formaldehyde	23711	3	2	1	4	1	2	2	4	4	1	2	1	4	2	1
Formamide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Formic Acid	23711	2	X	1	3	2	1	1	X	3	1	2	1	3	2	1
Freon, 11	10746	2	2	4	2	X	3	4	4	4	4	4	1	2	4	2
Freon, 112	10746	2	2	4	2	X	3	3	X	X	4	4	2	X	4	2
Freon, 113	4751	1	1	3	3	X	1	2	X	2	4	3	1	4	4	2
Freon, 113 + High and Low Aniline Oil	55715	1	X	X	X	4	X	X	X	X	X	X	X	X	X	X
Freon, 114	4751	1	1	1	2	X	1	1	X	1	1	1	1	2	4	2
Freon, 114B2	4751	2	2	4	2	X	3	3	X	X	3	4	1	X	4	2
Freon, 115, 116	4751	1	1	1	2	X	1	1	X	X	1	1	1	X	X	2
Freon, 12	4751	1	1	2	2	X	1	1	1	1	2	2	1	3	4	2
Freon, 12 and ASTM Oil #2 (50/50)	8876	2	2	4	1	X	3	4	X	X	4	4	2	2	4	2
Freon, 12 and Suniso 4G (50/50)	8876	2	2	4	1	X	3	4	X	X	4	4	2	2	4	1
Freon, 123 (Dichlorotrifluoroethane)	4751	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Freon, 124 (Chlorotetrafluoroethane)	4751	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2
Freon, 125 (Pentafluoroethane)	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2
Freon, 13	4751	1	1	1	2	X	1	1	X	X	1	1	1	4	4	2
Freon, 134a (Tetrafluoroethane)	55834	X	1	1	X	X	1	X	X	X	X	X	X	X	X	1
Freon, 13B1	4751	1	1	1	2	X	1	1	X	1	1	1	1	2	4	2
Freon, 14	4751	1	1	1	1	X	1	1	X	1	1	1	1	X	4	1
Freon, 141b (Dichlorofluoroethane)	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Freon, 142b	4751	1	2	2	2	4	1	2	X	X	1	2	1	X	X	2
Freon, 152a (Difluoroethane)	4751	1	X	1	4	X	1	1	X	X	1	1	3	X	X	2
Freon, 21	34744	4	4	4	4	X	4	4	X	X	4	4	4	X	4	1
Freon, 218	4751	1	X	1	2	X	1	1	X	X	1	1	1	X	X	2
Freon, 22	4751	4	4	3	4	X	1	1	2	4	3	1	1	4	4	1
Freon, 22 and ASTM Oil #2 (50/50)	4751	4	4	4	2	X	2	4	2	X	4	4	X	2	4	1
Freon, 23 (Fluoroform)	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Freon, 31	4751	4	4	1	4	X	2	2	X	X	2	2	2	X	X	2
Freon, 32	4751	1	1	1	4	X	1	1	X	X	1	1	1	X	X	2
Freon, 502	4751	2	2	1	4	X	1	1	X	X	1	1	X	X	X	2
Freon, BF	8876	2	2	4	2	X	3	4	X	X	4	4	2	X	4	2
Freon, C316	4751	1	X	1	2	X	1	1	X	X	X	1	1	1	X	2
Freon, C318	4751	1	1	1	2	X	1	1	X	X	1	1	1	X	X	2
Freon, K-142b	4751	1	1	1	4	X	1	1	X	X	1	2	1	X	X	4

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Compound Worksheet



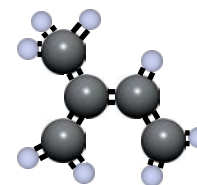
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Freon, K-152a	4751	1	1	1	4	X	1	1	X	X	1	1	4	X	X	4
Freon, MF	5747	1	2	4	2	X	3	4	X	3	4	4	2	X	4	2
Freon, PCA	4751	1	1	4	2	X	1	2	X	1	4	4	1	X	4	3
Freon, T-P35	4751	1	X	1	2	X	1	1	X	1	1	1	1	X	1	2
Freon, T-WD602	8876	2	X	2	2	X	2	3	X	1	2	4	2	X	4	2
Freon, TA	5747	1	X	2	4	X	2	3	X	1	2	3	1	X	3	2
Freon, TC	5747	1	X	2	2	X	1	3	X	1	2	4	1	X	4	2
Freon, TF	5747	1	1	4	2	4	1	3	X	1	4	4	1	X	4	2
Freon, TMC	8876	2	X	3	2	X	3	4	X	2	3	4	2	X	3	2
Fuel Oil, #6	8876	2	2	4	1	X	4	4	1	2	4	4	4	1	1	1
Fuel Oil, #1 and #2	5747	1	1	4	1	X	2	4	1	2	4	4	2	1	4	1
Fuel Oil, Acidic	5747	1	1	4	1	X	2	4	1	2	4	4	4	1	1	1
Fumaric Acid	5780	1	1	2	1	X	2	3	4	X	2	3	2	1	2	1
Fuming Sulphuric Acid (20/25% Oleum)	8782	4	4	4	1	X	4	4	4	4	4	4	4	X	4	X
Furaldehyde	23711	4	4	2	4	4	4	X	X	X	X	X	X	X	X	1
Furan (Furfuran)	34860	4	4	3	4	X	4	4	4	X	4	4	4	X	X	1
Furfural (Furfuraldehyde)	23711	4	4	2	4	2	3	4	4	3	2	4	3	X	4	1
Furfuraldehyde	23711	4	4	2	4	X	4	4	4	3	2	4	3	X	4	X
Furfuryl Alcohol	23711	4	4	2	X	X	4	4	4	4	2	4	4	4	4	1
Furoic Acid	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Furyl Carbinol	23711	4	4	2	X	X	4	4	4	4	2	4	4	4	4	1
Fyrquel® 150 220 300 550	23811	4	4	1	1	X	4	4	4	4	1	4	4	2	1	1
Fyrquel® 90, 100, 500	23811	4	4	1	1	1	X	X	X	X	X	X	X	X	X	1
Fyrquel® A60	34860	4	4	2	4	2	4	X	X	X	X	X	X	X	X	1
Gallic Acid	8782	2	2	2	1	X	2	2	4	4	2	1	2	1	X	1
Gasahol	8780	3	4	4	1	4	4	4	4	4	4	4	4	4	1	1
Gasoline	10746	2	1	4	1	2	3	4	4	2	4	4	3	1	4	1
Gelatin	3744	1	1	1	1	X	1	1	4	4	1	1	1	1	1	1
Germane (Germanium Tetrahydride)	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Girling Brake Fluid	23747	3	3	1	4	X	2	1	X	X	2	X	2	4	X	4
Glauber's Salt	10746	4	4	2	1	X	2	4	4	X	2	2	2	1	X	1
Gluconic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Glucose	3744	1	1	1	1	X	1	1	X	4	1	1	1	1	1	1
Glue	5780	1	X	1	1	X	1	2	X	1	2	2	1	1	1	1
Glutamic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Glycerine (Glycerol)	3744	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1
Glycerol Dichlorohydrin	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Glycerol Monochlorohydrin	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Glycerol Triacetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1

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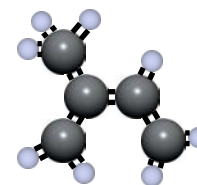
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Glycerophosphoric Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Glyceryl Phosphate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Glycidol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Glycol Monoether	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Glycolic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Glycols	23711	1	1	1	1	X	1	1	4	4	1	1	1	1	1	1
Glyoxylic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Grease Petroleum Base	3720	1	1	4	1	X	3	4	1	1	4	4	4	1	4	1
Green Sulfate Liquor	23711	2	2	1	1	X	2	2	2	1	1	2	2	2	1	1
HEF-2 (High Energy Fuel)	10746	2	2	4	1	X	4	4	4	4	4	4	4	2	4	1
Halothane	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	2
Halowax Oil	10746	4	4	4	1	X	4	4	X	X	4	4	4	1	4	1
Hannifin Lube A	5747	1	1	4	1	X	1	2	1	1	4	4	1	1	2	1
Heavy Water	3744	1	1	1	X	X	2	1	4	4	1	1	1	1	1	1
Helium	13766	1	1	1	1	X	1	1	1	1	1	1	1	1	1	1
Heptachlor	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Heptachlorobutene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Heptaldehyde (Heptanal)	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Heptane or n-Heptane	5747	1	1	4	1	X	2	4	1	2	4	4	2	3	4	1
Heptanoic Acid	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Hexachloroacetone	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Hexachlorobutadiene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Hexachlorobutene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Hexachloroethane	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Hexaethyl Tetraphosphate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Hexafluoroethane (F-116)	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Hexafluoroxylene	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Hexaldehyde or n-Hexaldehyde	23711	4	4	1	4	X	1	4	X	2	2	4	3	4	2	1
Hexamethyldisilazane	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Hexamethylene (Cyclohexane)	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Hexamethylene Diammonium Adipate	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Hexamethylenediamine	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	2
Hexamethylenetetramine	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	2
Hexane or n-Hexane	10746	1	1	4	1	X	2	4	1	2	4	4	2	1	4	1
Hexene-1 or n-Hexene-1	10746	2	2	4	1	X	2	4	1	2	4	4	2	1	4	1
Hexone (Methyl Isobutyl Ketone)	23711	4	4	2	4	4	4	4	4	4	3	4	4	4	4	1
Hexyl Acetate	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Hexyl Alcohol	5780	1	1	3	1	X	2	2	4	4	3	2	2	2	2	1
Hexylene Glycol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1

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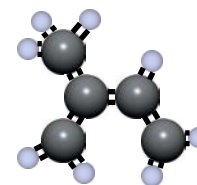
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Hexylresorcinol	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
HiLo MS #1	23711	4	4	1	4	X	4	4	4	4	2	4	4	3	3	4
High Viscosity Lubricant, H2	3720	1	1	1	1	X	2	1	4	4	1	X	X	2	1	1
High Viscosity Lubricant, U4	3720	1	1	1	1	X	2	1	4	4	1	X	X	2	1	1
Houghto-Safe® 1010 phosphate ester	23711	4	4	1	1	X	4	4	4	X	1	4	4	2	3	1
Houghto-Safe® 1055 phosphate ester	23711	4	4	1	1	X	4	4	4	X	1	4	4	2	3	1
Houghto-Safe® 1120 phosphate ester	10746	4	4	2	1	X	4	4	4	4	1	4	4	2	3	1
Houghto-Safe® 271 (Water & Glycol Base)	5747	1	1	1	2	X	2	1	4	4	2	X	X	2	2	1
Houghto-Safe® 416 & 500 Series	5747	1	1	1	X	X	X	X	X	X	X	X	X	X	X	X
Houghto-Safe® 5040 (Water/Oil emulsion)	5747	1	1	4	1	X	2	4	4	4	4	4	4	2	3	1
Houghto-Safe® 620 Water/Glycol	5747	1	1	1	2	X	2	1	4	4	2	X	X	2	2	1
Hydraulic Oil (Petroleum Base, Industrial)	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	3	1
Hydraulic Oils (Synthetic Base)	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Hydrazine	23711	2	4	1	4	X	2	1	X	4	1	1	2	4	3	1
Hydrazine (Anhydrous)	23711	4	4	2	4	2	2	1	4	4	2	4	2	4	X	1
Hydrazine Dihydrochloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Hydrazine Hydrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Hydriodic Acid	8782	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Hydro-Drive® MIH-10 (Petroleum Base)	3720	1	1	4	1	X	2	4	1	2	4	4	4	1	2	1
Hydro-Drive® MIH-50 (Petroleum Base)	3720	1	1	4	1	X	2	4	1	2	4	4	4	1	2	1
Hydroabietyl Alcohol	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Hydrobromic Acid	23711	4	4	1	1	X	4	4	4	4	1	1	1	3	4	1
Hydrobromic Acid 40%	23711	4	X	1	1	X	2	4	4	4	1	1	1	3	4	1
Hydrocarbons, Saturated	3720	1	1	4	1	X	2	4	1	2	4	4	3	1	4	1
Hydrochloric Acid (cold) 37%	8876	3	X	1	1	1	2	2	4	4	1	2	1	2	3	1
Hydrochloric Acid (hot) 37%	8876	4	X	3	2	2	4	4	4	4	3	4	2	3	4	1
Hydrochloric Acid, 3 Molar to 158°F	8876	2	2	1	1	X	2	3	3	4	1	3	1	3	4	1
Hydrochloric Acid, Concentrated, Room Temp	8782	2	2	2	1	X	X	X	X	X	X	X	X	X	X	1
Hydrochloric Acid, Concentrated to 158°F	8782	4	4	4	1	X	4	4	4	4	4	4	X	4	4	1
Hydrocyanic Acid	23711	2	2	1	1	X	2	2	4	X	1	2	1	2	3	1
Hydrofluoric Acid (Anhydrous)	34860	4	X	3	4	X	4	4	4	4	3	4	1	4	4	1
Hydrofluoric Acid (conc.) Cold	34860	4	X	3	1	1	4	4	4	3	3	4	1	4	4	1
Hydrofluoric Acid (conc.) Hot	34860	4	X	4	4	X	4	4	4	4	4	4	3	4	4	1
Hydrofluorosilicic Acid	23711	1	1	2	1	X	2	3	X	X	2	2	1	4	4	1
Hydrogen Bromide (Anhydrous)	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Hydrogen Chloride (Anhydrous)	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Hydrogen Chloride gas	23711	4	X	1	1	1	2	X	X	X	X	X	X	X	X	1
Hydrogen Cyanide	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1

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Compound Selection Guide

Compound Worksheet



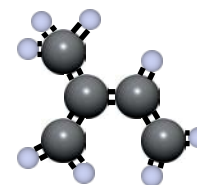
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Hydrogen Fluoride	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Hydrogen Fluoride (Anhydrous)	23711	4	4	1	4	2	X	4	4	X	1	4	X	4	X	2
Hydrogen Gas, Cold	23711	1	X	1	1	X	1	1	2	1	1	2	1	3	3	1
Hydrogen Gas, Hot	23711	1	X	1	1	X	1	2	2	1	1	2	1	3	3	1
Hydrogen Iodide (Anhydrous)	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Hydrogen Peroxide	10746	2	2	1	1	X	1	2	4	X	1	2	2	1	1	1
Hydrogen Peroxide 90%	10746	4	2	2	2	X	4	4	4	X	3	4	1	2	2	1
Hydrogen Selenide	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Hydrogen Sulfide Dry Cold	23711	1	1	1	4	X	1	1	4	X	1	1	1	3	3	1
Hydrogen Sulfide Dry Hot	23711	4	4	1	4	X	2	4	4	X	1	4	3	3	3	1
Hydrogen Sulfide Wet Cold	23711	4	1	1	4	X	2	4	4	X	1	4	2	3	3	1
Hydrogen Sulfide Wet Hot	23711	4	4	1	4	X	3	4	4	X	1	4	3	3	3	1
Hydrolube®-Water/Ethylene Glycol	5747	1	1	1	1	X	2	1	4	4	2	X	X	2	2	1
Hydroxycitronellal	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Hydroquinol	10746	4	4	4	1	X	4	X	X	X	X	X	X	X	X	2
Hydroquinone	10746	3	4	2	2	X	4	4	4	X	2	2	4	2	X	1
Hydroxyacetic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Hdyne	23711	2	2	1	4	X	2	2	4	X	2	2	X	4	4	2
Hyjet™	23711	4	4	1	4	2	4	X	X	X	X	X	X	X	X	1
Hyjet™ IV and IVA	23711	4	4	1	4	X	4	4	4	4	2	4	4	4	4	4
Hyjet™ S4	23711	4	X	1	4	2	4	X	X	X	X	X	X	X	X	1
Hyjet™ W	23711	4	4	1	4	2	4	X	X	X	X	X	X	X	X	1
Hypochlorous Acid	8782	4	4	2	1	X	4	4	4	X	2	2	4	X	X	1
Indole	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Insulin	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Iodic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Iodine	10746	2	2	2	1	X	4	2	X	X	2	X	2	1	X	1
Iodine Pentafluoride	34860	4	4	4	4	X	4	4	4	4	4	4	4	4	4	1
Iodoform	34860	X	X	4	3	X	4	4	X	X	4	4	X	X	X	1
Isoamyl Acetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Isoamyl Butyrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Isoamyl Valerate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Isoboreol	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Isobutane	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Isobutyl Acetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Isobutyl Alcohol	23711	2	2	1	1	X	1	2	4	4	1	1	1	2	1	1
Isobutyl Chloride	10746	4	4	4	1	4	4	X	X	X	X	X	X	X	X	1
Isobutyl Ether	34860	2	2	4	4	4	3	X	X	X	X	X	X	X	X	1
Isobutyl Methyl Ketone	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1

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Compound Worksheet



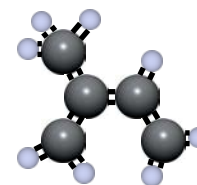
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Isobutyl Phosphate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Isobutyl n-Butyrate	23711	4	4	1	1	X	4	4	4	X	1	4	4	1	X	1
Isobutylene	8876	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Isobutyraldehyde	23711	3	2	2	4	4	3	X	X	X	X	X	X	X	X	2
Isobutyric Acid	5747	1	1	2	4	3	4	X	X	X	X	X	X	X	2	1
Isocrotyl Chloride	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Isodecanol	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Isododecane	5747	1	1	4	1	X	2	4	4	X	4	4	2	1	4	1
Isoeugenol	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Isooctane	5780	1	1	4	1	2	2	4	1	2	4	4	2	1	4	1
Isopentane	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Isophorone (Ketone)	23711	4	4	2	4	X	4	4	4	4	2	4	4	4	4	1
Isopropanol	23711	2	2	1	1	X	2	2	4	3	1	1	1	2	1	1
Isopropyl Acetate	23711	4	4	2	4	X	4	4	4	4	2	4	4	4	4	1
Isopropyl Alcohol	23711	2	2	1	1	X	2	2	4	3	1	1	1	2	1	1
Isopropyl Chloride	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Isopropyl Ether	5780	2	2	4	4	4	3	4	3	2	4	4	3	3	4	1
Isopropylacetone	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Isopropylamine	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
JP-10	10746	3	3	4	1	X	4	4	4	3	4	4	X	1	4	1
JP-3 (MIL-J-5624)	5767	1	1	4	1	2	4	X	X	X	X	X	X	X	X	1
JP-4 (MIL-T-5624)	5767	1	1	4	1	X	4	4	2	2	4	4	4	2	4	1
JP-5 (MIL-T-5624)	5767	1	1	4	1	X	4	4	2	2	4	4	4	2	4	1
JP-6 (MIL-J-25656)	5767	1	1	4	1	X	4	4	2	2	4	4	4	2	4	1
JP-8 (MIL-T-83133)	5767	1	1	4	1	X	3	4	1	1	4	4	X	2	4	1
JP-9 (MIL-F-81912)	10746	3	3	4	1	X	4	4	4	3	4	4	X	2	4	1
JP-9 -11	10746	4	4	4	1	X	4	4	4	4	4	4	X	2	4	1
JPX(MIL-F-25604)	5747	1	1	4	4	2	2	X	X	X	X	X	X	X	X	1
Jet Fuel A	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Kel F® Liquids	23711	1	1	1	2	X	X	1	X	X	1	X	1	2	1	3
Kerosene (RP-1 and JP-1)	5780	1	1	4	1	1	2	4	1	1	4	4	3	1	4	1
Keystone™ #87HX-Grease	3720	1	1	4	1	X	4	4	1	1	4	4	4	1	4	1
LB 135	5747	1	1	1	1	1	1	X	X	X	X	X	X	X	X	1
Lacquer Solvents	34860	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1
Lacquers	34860	4	4	4	4	X	4	4	4	4	4	4	4	4	4	1
Lactams-Amino Acids	23711	4	4	2	4	X	2	4	X	X	2	4	2	4	X	1
Lactic Acid Cold	5780	1	1	1	1	X	1	1	4	X	1	1	1	1	1	1
Lactic Acid Hot	10746	4	4	4	1	X	4	4	4	X	4	4	3	2	2	1
Lactones (Cyclic Esters)	23711	4	4	2	4	X	4	4	4	4	2	4	4	4	2	4

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Compound Worksheet



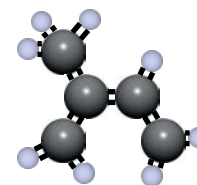
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Lard Animal Fat	3744	1	1	2	1	X	2	4	1	1	2	4	4	1	2	1
Lauric Acid	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Lavender Oil	10746	2	2	4	1	X	4	4	2	4	4	4	4	2	4	1
Lead Acetate	23711	2	2	1	4	X	2	4	4	4	1	1	4	4	4	1
Lead Arsenate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Lead Azide	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Lead Bromide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Lead Carbonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Lead Chloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Lead Chromate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Lead Dioxide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Lead Linoleate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Lead Nitrate	5780	1	1	1	1	X	1	1	X	X	1	1	1	1	2	1
Lead Oxide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Lead Sulfamate	4753	2	2	1	1	X	1	2	4	X	1	2	1	1	2	1
Lehigh X1169	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
Lehigh X1170	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
Light Grease	3720	1	1	4	1	1	4	X	X	X	X	X	X	X	X	1
Ligroin (Petroleum Ether or Benzene)	5780	1	1	4	1	X	2	4	1	2	4	4	3	1	4	1
Lime Bleach	5780	1	1	1	1	X	2	2	4	X	1	1	2	1	2	1
Lime Sulfur	23711	4	1	1	1	X	1	4	4	X	4	4	1	1	1	1
Lindol, Hydraulic Fluid(Phosphate ester)	23711	4	1	1	2	X	4	4	4	4	1	4	4	3	3	1
Linoleic Acid	19711	2	2	4	2	X	4	4	X	X	4	4	4	X	2	1
Linseed Oil	5780	1	1	3	1	X	2	4	1	2	3	4	2	1	1	1
Liquid Oxygen (LOX)	N/A	4	4	4	4	X	4	4	4	4	4	4	4	4	4	2
Liquid Petroleum Gas (LPG)	5747	1	1	4	1	X	2	4	3	1	4	4	2	3	3	1
Liqui Moly™	5747	1	1	4	1	X	2	4	1	2	4	4	4	1	4	1
Lithium Bromide (Brine)	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Lithium Carbonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Lithium Chloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Lithium Citrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Lithium Hydroxide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Lithium Hypochlorite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Lithium Nitrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Lithium Nitrite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Lithium Perchlorate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Lithium Salicylate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Lithopone	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Lubricating Oils (Crude & Refined)	10746	2	2	4	1	1	3	X	X	X	X	X	X	X	X	1

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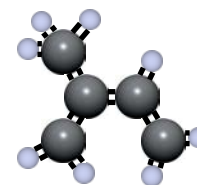
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Lubricating Oils (Synthetic base)	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Lubricating Oils, Di-ester	10746	2	2	4	1	X	3	4	2	X	4	4	X	2	4	1
Lubricating Oils, SAE 10, 20, 30, 40, 50	3720	1	1	4	1	X	2	4	1	2	4	4	4	1	4	1
Lubricating Oils, petroleum base	3720	1	4	4	1	X	2	4	1	2	4	4	2	1	4	1
Lye Solutions	23711	2	2	1	2	X	2	2	4	4	1	2	1	1	2	1
MCS® 312	10746	4	4	4	1	X	4	4	4	X	4	4	X	1	1	1
MCS® 352	623706	4	4	1	4	X	4	4	4	4	2	4	4	3	3	4
MCS® 463	623706	4	4	1	4	X	4	4	4	4	2	4	4	3	3	4
MDI (Methylene di-p-phenylene isocyanate)	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
MIL-A-6091	623706	2	2	1	1	X	1	1	4	4	1	1	1	1	1	1
MIL-C-4339	3716	1	1	4	1	X	4	4	1	1	4	4	4	1	3	1
MIL-C-7024	3716	1	1	4	1	X	2	4	2	2	4	4	3	1	4	1
MIL-C-8188	3716	1	2	4	1	X	3	4	3	3	3	4	3	1	3	1
MIL-E-9500	23711	1	1	1	1	X	1	1	4	4	1	1	1	1	1	1
MIL-F-16884	3716	1	1	4	1	X	3	4	1	3	4	4	3	1	4	1
MIL-F-17111	3716	1	X	4	1	X	2	4	1	2	4	4	2	1	3	1
MIL-F-25558 (RJ-1)	3716	1	1	4	1	X	2	4	1	1	4	4	2	1	3	1
MIL-F-25656	3716	1	X	4	1	X	3	4	X	3	4	4	3	2	4	1
MIL-F-5566	23711	1	X	1	1	X	2	1	X	2	1	1	2	1	1	1
MIL-F-81912 (JP-9)	8876	3	3	4	1	X	4	4	4	3	4	4	X	2	4	1
MIL-F-82522 (RJ-4)	3716	2	2	4	1	X	4	4	1	1	4	1	X	1	4	1
MIL-G-10924	3716	1	X	4	1	X	2	4	1	2	4	4	2	1	3	1
MIL-G-15793	3716	1	X	4	1	X	3	4	3	3	3	4	3	1	3	1
MIL-G-21568	23711	1	X	1	1	X	1	1	1	X	1	2	1	1	4	1
MIL-G-25013	10746	1	X	1	1	X	2	1	2	3	1	2	2	2	4	1
MIL-G-25537	3716	1	X	4	1	X	2	4	1	2	4	4	2	1	3	1
MIL-G-25760	8876	1	X	4	1	X	3	3	3	2	4	3	3	1	4	1
MIL-G-3278	20763	2	2	4	1	X	4	4	1	2	4	4	4	2	4	1
MIL-G-3545	3716	2	X	4	1	X	2	4	2	3	4	4	3	1	4	1
MIL-G-4343	8876	2	X	3	1	X	2	4	1	1	3	4	2	2	4	1
MIL-G-5572	3716	1	1	4	1	X	4	4	2	2	4	4	4	1	4	1
MIL-G-7118	3716	1	X	4	1	X	3	4	3	3	3	4	3	1	3	1
MIL-G-7187	3716	1	X	4	1	X	1	4	1	1	4	4	1	1	3	1
MIL-G-7421	20763	1	X	4	1	X	3	4	X	2	3	4	3	1	3	1
MIL-G-7711	3716	1	X	4	1	X	1	4	1	1	4	4	1	1	3	1
MIL-H-13910	5780	1	X	4	1	X	2	4	1	2	4	4	2	1	3	1
MIL-H-19457	23711	4	X	1	4	X	4	4	4	4	1	4	4	3	4	1
MIL-H-22251	23711	2	2	1	X	X	2	2	X	X	1	X	2	X	4	X
MIL-H-27601	8876	2	X	4	1	X	2	4	2	3	4	4	3	1	4	1

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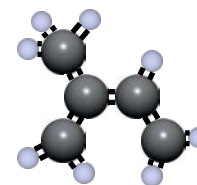
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
MIL-H-46170 -15°F to +400°F	8876	1	1	4	1	X	2	4	2	2	4	4	2	1	4	1
MIL-H-46170 -20°F to +275°F	3716	1	1	4	1	X	2	4	2	2	4	4	2	1	4	1
MIL-H-46170 -55°F to +275°F	3716	1	1	4	1	X	2	4	2	2	4	4	2	1	4	1
MIL-H-46170 -65°F to +275°F	3716	1	1	4	1	X	2	4	2	2	4	4	2	1	4	1
MIL-H-5606 -65°F to +235°F	3716	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
MIL-H-5606 -65°F to +275°F	3716	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
MIL-H-6083	3716	1	X	4	1	X	2	4	1	2	4	4	2	1	3	1
MIL-H-7083	23711	1	X	1	2	X	2	1	3	3	1	2	2	2	2	1
MIL-H-8446 (MLO-8515)	8876	2	X	4	1	X	2	4	3	4	4	4	X	1	4	1
MIL-J-5161	3716	1	X	4	1	X	3	4	X	3	4	4	3	1	4	1
MIL-L-15016	5716	1	1	4	1	X	2	4	1	1	4	4	2	2	4	1
MIL-L-15017	5716	1	X	4	1	X	3	4	X	3	4	4	3	1	4	1
MIL-L-17331	8876	1	X	4	1	X	1	4	1	1	4	4	1	1	3	1
MIL-L-2104	5716	1	X	4	1	X	1	4	1	1	4	4	1	1	3	1
MIL-L-21260	5716	1	X	4	1	X	1	4	1	1	4	4	1	1	3	1
MIL-L-23699	8876	1	X	4	1	X	3	4	3	3	3	4	3	1	3	1
MIL-L-25681	8876	1	X	1	1	X	2	1	2	3	1	2	2	2	4	1
MIL-L-3150	5716	1	X	4	1	X	1	4	1	1	4	4	1	1	3	1
MIL-L-6081	5716	1	X	4	1	X	2	4	1	2	4	4	2	1	3	1
MIL-L-6082	5716	1	X	4	1	X	1	4	1	1	4	4	1	1	3	1
MIL-L-6085	8876	2	2	4	1	X	3	4	3	3	3	4	3	1	3	1
MIL-L-6387	8876	1	X	4	1	X	3	4	X	2	3	4	3	2	3	1
MIL-L-7808	8876	1	2	4	1	X	3	4	3	3	3	4	3	1	3	1
MIL-L-7870	5716	1	X	4	1	X	2	4	1	2	4	4	2	1	3	1
MIL-L-9000	5716	1	X	4	1	X	2	4	2	3	4	4	3	1	4	1
MIL-L-9236	8876	1	X	3	1	X	3	3	3	2	3	3	3	1	4	1
MIL-O-3503	5716	1	X	4	1	X	2	4	1	2	4	4	2	1	3	1
MIL-P-27402	23711	2	2	1	X	X	2	2	X	X	1	X	2	X	4	X
MIL-R-25576 (RP-1)	3716	1	1	4	1	X	3	4	1	1	4	4	3	1	4	1
MIL-S-3136, Type I Fuel	3720	1	1	4	1	X	2	4	2	2	4	4	3	1	4	1
MIL-S-3136, Type II Fuel	3720	1	1	4	1	X	3	4	X	3	4	4	3	1	4	1
MIL-S-3136, Type III Fuel	3720	1	1	4	1	X	3	4	X	3	4	4	3	1	4	1
MIL-S-3136, Type IV Oil High Swell	5747	1	1	4	1	X	4	4	1	1	4	4	4	1	2	1
MIL-S-3136, Type IV Oil Low Swell	5747	1	1	4	1	X	1	4	1	1	4	4	1	1	3	1
MIL-S-3136, Type V Oil Medium Swell	5747	1	1	4	1	X	2	4	1	2	4	4	2	1	3	1
MIL-S-81087	23711	1	X	1	1	X	1	1	1	1	1	1	1	2	4	1
MIL-T-5624, JP-4, JP-5	3716	1	1	4	1	X	3	4	2	3	4	4	3	1	4	1
MIL-T-83133	3716	1	1	4	1	X	3	4	1	1	4	4	X	2	4	1
MLO-7277 Hydr.	8876	3	3	4	1	X	4	4	3	3	4	4	4	3	4	1

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Compound Selection Guide

Compound Worksheet



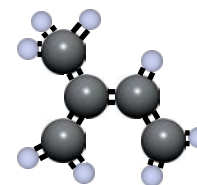
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
MLO-7557	8876	3	3	4	1	X	4	4	3	3	4	4	4	3	4	1
MLO-8200 Hydr.	8876	2	2	4	1	X	1	4	X	1	4	4	4	2	4	1
MLO-8515	8876	2	2	4	1	X	1	4	3	1	4	4	3	1	4	1
Magnesium Chloride	5747	1	1	1	1	X	1	1	X	1	1	1	1	1	1	1
Magnesium Hydroxide	23711	2	2	1	1	X	1	2	4	4	1	2	1	X	X	1
Magnesium Salts	5747	1	1	1	1	X	1	1	1	1	1	1	1	1	1	X
Magnesium Sulfite and Sulfate	5747	1	X	1	1	X	1	2	4	X	1	2	1	1	1	1
Magnesium Trisilicate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Malathion	10746	2	2	4	1	X	X	4	X	X	4	4	X	2	4	1
Maleic Acid	10746	4	4	2	1	X	3	3	4	X	2	3	4	X	X	1
Maleic Anhydride	23711	4	4	2	4	X	3	3	4	X	2	3	4	X	X	1
Maleic Hydrazide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Malic Acid	8782	1	1	2	1	X	3	3	4	X	2	3	2	1	2	1
Mandelic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Manganese Acetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Manganese Carbonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Manganese Chloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Manganese Dioxide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Manganese Gluconate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Manganese Hypophosphite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Manganese Linoleate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Manganese Phosphate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Manganese Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Manganous Chloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Manganous Phosphate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Manganous Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Mannitol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Mercaptan	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Mercaptobenzothiazole (MBT)	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Mercuric Acetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Mercuric Chloride	5747	1	1	1	1	X	1	1	X	X	1	1	1	X	X	1
Mercuric Cyanide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Mercuric Iodide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Mercuric Nitrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Mercuric Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Mercuric Sulfite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Mercurous Nitrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Mercury	3744	1	1	1	1	X	1	1	X	1	1	1	1	X	X	1
Mercury Chloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1

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Compound Worksheet



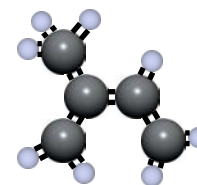
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Mercury Fulminate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Mercury Salts	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Mercury Vapors	3744	1	1	1	1	X	1	1	X	X	1	1	1	X	X	1
Mesityl Oxide (Ketone)	23711	4	4	2	4	4	4	4	4	4	2	4	4	4	4	1
Meta-Cresol	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	X
Meta-Nitroaniline	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Meta-Toluidine	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	X
Metalddehyde	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Methacrylic Acid	23711	4	X	2	4	X	2	4	4	4	2	4	4	4	4	1
Methallyl Chloride	8782	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Methane	5780	1	1	4	1	X	2	4	1	3	4	4	2	2	4	1
Methanol	23711	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1
Methoxychlor	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Methoxyethanol (DGMMA)	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Methyl Abietate	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Methyl Acetate	23711	4	4	1	4	X	2	3	4	4	1	3	4	4	4	1
Methyl Acetoacetate	23711	4	4	2	4	X	4	X	4	4	2	X	4	4	2	1
Methyl Acetophenone	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Methyl Acrylate	23711	4	X	2	4	X	2	4	4	4	2	4	4	4	4	1
Methyl Alcohol	23711	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1
Methyl Amylketone	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Methyl Anthranilate	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Methyl Benzoate	10746	4	4	4	1	X	4	4	4	4	4	4	4	1	4	1
Methyl Bromide	10746	2	2	4	1	X	4	4	3	X	4	4	4	1	X	1
Methyl Butyl Ketone	23711	4	4	1	4	X	4	4	4	4	1	4	4	4	3	1
Methyl Butyrate Cellosolve	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Methyl Butyrate Chloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Methyl Carbonate	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Methyl Cellosolve	23711	3	3	2	4	1	3	4	4	4	2	4	2	4	4	1
Methyl Cellulose	5747	2	2	2	4	X	2	2	4	2	2	2	2	4	2	1
Methyl Chloride	10746	4	4	3	2	X	4	4	4	4	3	4	4	2	4	1
Methyl Chloroacetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Methyl Chloroform	10746	4	4	4	1	4	4	X	X	X	X	X	X	X	X	1
Methyl Chloroformate	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Methyl Cyanide (Acetonitrile)	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Methyl Cyclohexanone	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Methyl Dichloride	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Methyl Ether	5780	1	1	4	4	X	3	4	4	X	4	4	3	1	1	1
Methyl Ethyl Ketone (MEK)	23711	4	4	1	4	4	3	4	4	4	2	4	4	4	4	1

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Compound Selection Guide

Compound Worksheet



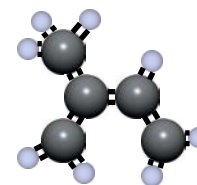
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Methyl Ethyl Ketone Peroxide	19711	4	4	4	4	X	4	4	4	4	4	4	4	4	2	1
Methyl Ethyl Oleate	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Methyl Formate	4753	4	4	2	4	X	2	4	X	X	2	4	2	X	X	1
Methyl Hexyl Ketone (2-Octanone)	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Methyl Iodide	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Methyl Isobutyl Ketone (MIBK)	23711	4	4	2	4	4	4	4	4	4	3	4	4	4	4	1
Methyl Isocyanate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Methyl Isopropyl Ketone	23711	4	4	2	4	X	4	4	4	4	2	4	4	4	4	1
Methyl Isovalerate	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Methyl Lactate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Methyl Mercaptan	23711	X	X	1	X	X	X	X	X	X	1	X	X	X	X	1
Methyl Methacrylate	34860	4	4	3	4	X	4	4	4	X	4	4	4	4	4	1
Methyl Oleate	10746	4	4	2	2	X	4	4	X	X	2	4	4	2	X	1
Methyl Pentadiene	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Methyl Phenylacetate	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Methyl Salicylate	23711	4	X	2	2	3	4	3	X	X	2	3	4	X	X	1
Methyl Tertiary Butyl Ether (MTBE)	34860	3	3	3	3	2	3	X	X	X	X	X	X	X	X	1
Methyl Valerate	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Methyl-2-Pyrrolidone or n-Methyl-2-Pyrrolidone	23711	X	X	2	X	X	X	X	X	X	X	X	X	X	X	1
Methylacrylic Acid	23711	4	4	2	3	X	2	4	4	4	2	4	4	4	4	1
Methylal	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Methylamine	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Methylamyl Acetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Methylcyclopentane	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Methylene Bromide	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Methylene Chloride	10746	4	4	4	2	X	4	4	4	4	4	4	4	2	4	1
Methylene Iodide	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Methylglycerol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Methylisobutyl Carbinol	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Methylpyrrolidine	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Methylpyrrolidone	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Methylsulfuric Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Milk	3741	1	1	1	1	X	1	1	4	4	1	1	1	1	1	1
Mineral Oils	3720	1	1	3	1	X	2	4	1	1	3	4	2	1	2	1
Mixed Acids	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Mobil™ 24dte	3720	1	1	4	1	1	2	X	X	X	X	X	X	X	X	1
Mobil™ Delvac 1100, 1110, 1120, 1130	3720	1	1	4	1	1	2	X	X	X	X	X	X	X	X	X
Mobil™ HF	3720	1	1	4	1	X	2	X	X	X	X	X	X	X	X	1
Mobil™ Nivac 20, 30	3720	1	1	1	1	1	1	X	X	X	X	X	X	X	X	X

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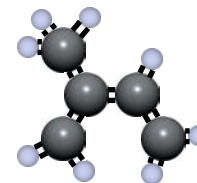
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Mobil™ SHC 500 Series	3720	3	3	4	1	X	2	X	1	2	4	X	2	2	2	1
Mobil™ SHC 600 Series	3720	3	3	4	1	X	2	4	1	1	4	X	2	2	3	1
Mobil™ Therm 600	3720	1	1	4	1	1	2	X	X	X	X	X	X	X	X	1
Mobil™ Velocite c	3720	1	1	4	1	1	2	X	X	X	X	X	X	X	X	1
Mobilgas™ WA200 ATF	3720	1	1	4	1	1	2	X	X	X	X	X	X	X	X	1
Mobilgear™ 600 Series	10746	3	3	3	1	X	1	4	1	2	3	4	2	1	1	1
Mobilgear™ SHC ISO Series	10746	3	3	3	1	X	2	4	1	2	3	4	2	1	1	1
Mobilgrease™ HP	10746	2	2	4	1	X	2	4	1	1	4	4	3	1	2	1
Mobilgrease™ HTS	10746	2	2	4	1	X	2	4	1	1	4	4	3	1	2	1
Mobilgrease™ SM	10746	2	2	4	1	X	2	4	1	1	4	4	3	1	2	1
Mobilith™ AW Series	10746	2	2	4	1	X	2	4	1	1	4	4	3	1	2	1
Mobilith™ SHC Series	10746	2	2	4	1	X	3	4	1	1	4	4	3	1	2	1
Mobil Jet™ II Lubricant	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Mobil™ Mist Lube Series	10746	3	3	3	1	X	1	4	1	2	3	4	2	1	1	1
Mobil™ Oil SAE 20	3720	1	1	4	1	1	2	X	X	X	X	X	X	X	X	1
Mobilux™	3720	1	1	4	1	1	2	X	X	X	X	X	X	X	X	1
Molybdenum Disulfide Grease	3720	1	X	4	1	1	4	X	X	X	X	X	X	X	X	1
Molybdenum Oxide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Molybdenum Trioxide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Molybdic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Monobromobenzene	8706	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Monobromotoluene	8706	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Monobutyl Paracresol	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Monochloroacetic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	2
Monochlorobenzene	8706	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Monochlorobutene	8706	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Monochlorohydrin	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Monoethanolamine (MEA)	23711	4	X	1	4	X	4	2	4	4	2	2	4	4	2	1
Monoethyl Amine	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Monoisopropylamine	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Monomethyl Aniline	23711	4	X	1	2	X	1	1	4	4	1	1	1	1	2	1
Monomethyl Ether (Dimethyl Ether)	34860	1	X	4	4	X	3	4	4	X	4	4	2	1	1	1
Monomethyl Ether (Methyl Ether)	5780	1	X	4	4	X	3	4	4	X	4	4	2	1	1	1
Monomethyl Hydrazine	23711	2	2	1	X	X	2	2	X	X	1	X	2	X	4	2
Monomethylamine (MMA)	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Monomethylaniline	8706	4	4	2	2	X	4	4	4	4	2	4	4	X	X	1
Mononitrotoluene	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Mononitrotoluene & Dinitrotoluene(40/60)	23711	4	4	1	3	X	4	4	4	4	4	4	4	3	4	2
Monovinyl Acetylene	5780	1	X	2	1	X	2	2	X	X	2	2	2	X	2	1

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Compound Selection Guide

Compound Worksheet



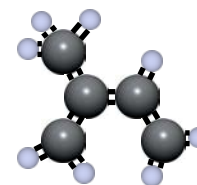
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Mopar® Brake Fluid	23747	3	3	1	4	X	2	1	X	X	2	X	2	4	3	1
Morpholine	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Motor Oils	3720	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Mustard Gas	23711	X	X	1	1	X	1	2	X	X	1	1	1	X	1	1
Myristic Acid	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Naphthalene	10746	4	4	4	1	1	4	4	X	2	4	4	4	1	4	1
Naphthalene Chloride	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Naphthalene Sulfonic Acid	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Naphthalenic Acid	10746	2	X	4	1	2	4	4	X	X	4	4	4	1	4	1
Naphthalonic Acid	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Naphthenic Acid	10746	2	2	4	1	X	4	4	X	X	4	4	4	1	4	1
Naphthylamine	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Naphtha	10746	2	2	4	1	X	4	4	2	2	4	4	4	2	4	1
Natural Gas	5780	1	1	4	1	X	1	2	2	2	4	2	1	3	1	1
Neatsfoot Oil	5780	1	1	2	1	X	4	4	1	1	2	4	4	1	2	1
Neon	13766	1	1	1	1	X	1	1	1	1	1	1	1	1	1	1
Neville Acid	10746	4	4	2	1	X	4	4	4	X	2	4	4	2	4	1
Nickel Acetate	23711	2	2	1	4	X	2	4	4	4	1	1	4	4	4	1
Nickel Ammonium Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Nickel Chloride	5767	1	1	1	1	X	1	1	3	3	1	1	1	1	1	1
Nickel Cyanide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Nickel Nitrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Nickel Salts	5767	1	1	1	1	X	2	1	3	3	1	1	1	1	1	1
Nickel Sulfate	5767	1	1	1	1	X	1	2	4	3	1	2	1	1	1	1
Nicotinamide (Niacinamide)	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Nicotinamide Hydrochloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Nicotine	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Nicotine Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Niter Cake	5747	1	1	1	1	X	1	1	4	1	1	1	1	1	1	1
Nitric Acid (0 - 50%)	8782	4	X	2	1	2	2	4	4	3	2	4	1	2	2	1
Nitric Acid (50 - 100%)	34860	4	4	4	2	2	4	4	4	4	4	4	2	3	4	1
Nitric Acid - Red Fuming	34860	4	4	4	3	2	4	4	4	4	4	4	4	4	4	2
Nitric Acid - White Fuming	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2
Nitric Acid 3 Molar to 158°F	23711	4	4	2	3	X	4	3	4	4	2	X	2	4	4	2
Nitric Acid Concentrated Room Temp.	8782	4	4	4	2	2	4	4	4	4	4	4	2	3	2	1
Nitric Acid Concentrated to 158°F	N/A	4	4	4	4	X	4	4	4	4	4	4	X	4	4	1
Nitroaniline	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Nitrobenzene	23711	4	4	1	2	1	4	4	4	4	1	4	4	4	4	1
Nitrobenzoic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1

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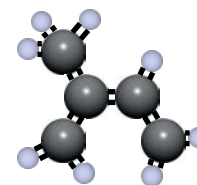
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Nitrocellulose	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Nitrochlorobenzene	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Nitrochloroform	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Nitrodiethylaniline	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Nitrodiphenyl Ether	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Nitroethane	23711	4	X	2	4	2	3	2	4	4	2	2	2	4	4	1
Nitrofluorobenzene	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Nitrogen	13766	1	X	1	1	X	1	1	1	1	1	1	1	1	1	1
Nitrogen Oxides	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Nitrogen Trifluoride	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Nitroglycerine	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Nitroglycerol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Nitroisopropylbenzene	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Nitromethane	23711	4	4	2	4	X	2	2	4	4	2	2	3	4	4	1
Nitrophenol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Nitropropane	23711	4	4	2	4	X	4	4	4	4	2	4	4	4	4	1
Nitrosyl Chloride	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Nitrosylsulfuric Acid	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Nitrothiophene	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Nitrotoluene	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Nitrous Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Nitrous Oxide	23711	1	1	1	1	X	X	X	X	X	X	X	X	X	1	1
Nonane	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Noryl® GE Phenolic	5747	1	1	1	X	X	X	X	X	X	X	X	X	X	X	X
Nyvac FR200 Mobil™	3720	1	1	1	1	X	2	4	X	X	4	4	3	X	X	1
OS 45 Type III (OS45)	8876	2	2	4	1	X	1	4	X	4	4	4	2	2	4	1
OS 45 Type IV (OS45-1)	8876	2	2	4	1	X	1	4	X	4	4	4	2	2	4	1
OS 70	8876	2	2	4	1	X	1	4	X	4	4	4	2	2	4	1
Octachloro Toluene	8876	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Octadecane	5780	1	4	4	1	X	2	4	2	1	4	4	2	1	4	1
Octanal (n-Octanaldehyde)	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Octane or n-Octane	10746	2	X	4	1	X	2	4	4	4	4	4	2	2	4	1
Octyl Acetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Octyl Alcohol	10746	2	2	3	1	X	1	2	4	4	3	2	2	2	2	1
Octyl Chloride	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Octyl Phthalate	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Olefins	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Oleic Acid	8782	3	1	4	2	1	3	4	4	2	4	4	3	X	4	1
Oleum (Fuming Sulfuric Acid)	8782	4	4	4	1	X	4	4	4	4	4	4	4	X	4	1

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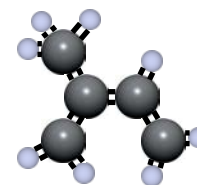
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Oleum Spirits	8782	2	2	4	1	X	3	4	X	3	4	4	2	2	4	1
Oleyl Alcohol	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Olive Oil	3744	1	1	2	1	X	2	4	1	1	2	4	2	1	3	1
Oronite® 8200	10746	2	2	4	1	X	1	4	X	1	4	4	4	1	4	1
Oronite® 8515	10746	2	2	4	1	X	1	4	X	1	4	4	4	1	4	1
Ortho-Chloro Ethyl Benzene	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Ortho-Chloroaniline	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Ortho-Chlorophenol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Ortho-Cresol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Ortho-Dichlorobenzene	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	X
Ortho-Nitrotoluene	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Orthophos Acid	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Oxalic Acid	23711	2	2	1	1	X	2	2	X	X	1	2	2	1	2	1
Oxygen 200-300°F (Evaluate each application)	8740	4	4	4	2	X	X	X	X	X	X	X	X	X	X	X
Oxygen 300-400°F (Evaluate each application)	19711	4	4	4	2	X	4	4	4	4	4	4	4	4	1	X
Oxygen, Cold (Evaluate each application)	4753	2	2	1	1	X	1	2	2	1	1	2	1	1	1	1
Oxygen, Liquid	N/A	4	4	4	4	4	4	X	X	X	X	X	X	X	X	2
Ozonated Deionized Water	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ozone	23711	4	4	1	1	X	3	4	2	1	2	4	1	2	1	1
PRL-High Temp. Hydraulic Oil	8876	2	2	4	1	X	2	4	1	2	4	4	4	1	2	1
Paint Thinner	608804	4	4	4	2	X	4	4	4	4	4	4	4	2	4	1
Palmitic Acid	5780	1	1	2	1	X	2	2	X	1	2	2	3	1	4	1
Para-Aminobenzoic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Para-Aminosalicylic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Para-Bromobenzylphenyl Ether	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Para-Chlorophenol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Para-Dichlorobenzene	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	X
Para-Formaldehyde	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Para-Nitroaniline	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Para-Nitrobenzoic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Para-Nitrophenol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Para-Toluene Sulfonic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Paracymene	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	X
Paraffins	3720	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Paraldehyde	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Parathion	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Parker™ O Lube	3720	1	1	4	1	X	1	2	1	1	4	4	1	1	2	1
Peanut Oil	3744	1	X	3	1	X	3	4	1	2	3	4	2	1	1	1
Pectin (Liquor)	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1

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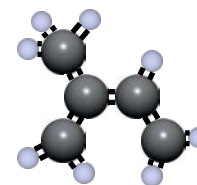
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Penicillin (Liquid)	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Pentachloroethane	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Pentachlorophenol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Pentaerythritol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Pentaerythritol Tetranitrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Pentafluoroethane (F-125)	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2
Pentane or n-Pentane	5747	1	1	4	1	X	1	3	1	4	4	4	2	3	4	1
Pentane, 2 Methyl	5747	1	1	4	1	X	2	4	1	4	4	4	2	3	4	1
Pentane, 2-4 dimethyl	5747	1	1	4	1	X	2	4	1	4	4	4	2	3	4	1
Pentane, 3-Methyl	5747	1	1	4	1	X	2	4	1	4	4	4	2	3	4	1
Pentyl Pentanoate	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Peracetic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Perchloric Acid - 2N	23711	4	X	2	1	X	2	4	4	4	2	4	2	1	2	1
Perchloroethylene	10746	2	X	4	1	X	4	4	4	4	4	4	4	2	4	1
Perfluoropropane	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2
Perfluorotriethylamine	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2
Permanganic Acid	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Persulfuric Acid (Caro's Acid)	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Petrolatum	3720	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
Petrolatum Ether	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Petroleum Oil, Above 250°F	10746	4	X	4	2	X	2	4	4	4	4	4	4	4	4	1
Petroleum Oil, Below 250°F	3720	1	X	4	1	X	2	4	2	2	4	4	2	2	2	1
Petroleum Oil, Crude	3720	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
Phenol	10746	4	4	2	1	1	3	X	4	3	2	4	2	1	4	1
Phenol, 70%/30% H2O	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Phenol, 85%/15% H2O	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Phenolic Sulfonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Phenolsulfonic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Phenylacetamide	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Phenylacetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Phenylacetic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Phenylbenzene	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Phenylethyl Alcohol	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Phenylethyl Ether	34744	4	4	4	4	X	4	4	4	4	4	4	4	4	4	1
Phenylethyl Malonic Ester	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Phenylglycerine	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Phenylhydrazine	10746	4	X	2	2	X	4	2	4	X	2	1	4	X	X	1
Phenylhydrazine Hydrochloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Phenylmercuric Acetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1

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Compound Selection Guide

Compound Worksheet



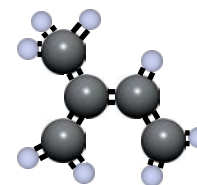
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Phorone	N/A	4	4	3	4	X	4	4	4	4	3	4	4	4	4	1
Phosphoric Acid 3 Molar to 158°F	23711	1	1	1	1	X	2	2	3	4	1	X	1	2	2	X
Phosphoric Acid Concentrated Room Temp	23711	2	2	1	1	X	2	1	2	4	1	X	1	3	3	1
Phosphoric Acid Concentrated to 158°F	23711	4	4	1	1	X	3	2	3	4	1	X	1	3	4	1
Phosphoric Acid, 20%	23711	2	X	1	1	X	2	2	X	1	2	2	1	2	2	1
Phosphoric Acid, 45%	8782	4	X	1	1	1	2	3	X	1	2	3	2	2	3	1
Phosphorus Oxychloride	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Phosphorus Trichloride	23711	4	4	1	1	X	4	4	X	X	1	4	4	1	X	1
Phosphorus Trichloride Acid	23711	4	4	1	1	1	4	X	X	X	X	X	X	X	X	1
Phthalic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Phthalic Anhydride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Pickling Solution	8782	4	4	3	2	X	4	4	4	4	3	4	2	4	4	1
Picric Acid (aq)	4753	2	X	2	1	X	1	2	X	2	2	2	2	2	4	1
Picric Acid Molten	8782	2	2	2	1	X	2	2	X	X	2	2	2	2	4	1
Pine Oil	10746	4	X	4	1	1	4	4	X	X	4	4	4	1	4	1
Pine Tar	3720	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Pinene	10746	2	X	4	1	X	3	4	4	2	4	4	3	2	4	1
Piperazine	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Piperidine	34860	4	4	4	4	X	4	4	4	4	4	4	4	4	4	1
Plating Solution (Co,Cu,Au,In,Fe,Pb,Ni,Ag,Sn,Zn)	3744	1	1	1	1	X	4	4	X	X	1	4	1	X	4	1
Plating Solutions Chrome	10746	X	4	2	1	X	4	4	X	X	1	4	4	X	4	1
Plating Solutions Others	3744	1	1	1	1	X	4	4	X	X	1	4	1	X	4	1
Pneumatic Service	5747	1	1	1	1	X	1	4	4	1	1	4	1	4	4	1
Polyethylene Glycol	23711	2	2	1	3	1	2	X	X	X	X	X	X	X	X	1
Polyglycerol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Polyglycol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Polyvinyl Acetate Emulsion	23711	X	X	1	X	X	2	4	X	X	1	2	2	X	X	1
Potassium Acetate	23711	2	X	1	4	1	2	4	4	4	1	1	1	4	4	1
Potassium Acid Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Alum	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Aluminum Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Antimonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Bicarbonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Bichromate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Bifluoride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Bisulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Bisulfite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Bitartrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Bromide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1

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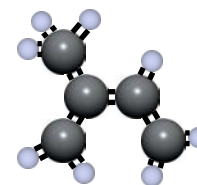
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Potassium Carbonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Chlorate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Chloride	5780	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Chromates	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Citrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Cupro Cyanide	5747	1	1	1	1	X	1	1	1	1	1	1	1	1	1	1
Potassium Cyanate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Cyanide	5747	1	1	1	1	X	1	1	1	1	1	1	1	1	1	1
Potassium Dichromate	5747	1	1	1	1	X	1	2	1	2	1	2	1	1	1	1
Potassium Diphosphate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Ferricyanide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Fluoride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Glucocyanate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Hydroxide 50%	23711	2	2	1	4	1	2	2	4	4	1	2	1	3	3	1
Potassium Hypochlorite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Iodate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Iodide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Metabisulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Metachromate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Metasilicate	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Potassium Monochromate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Nitrate	5780	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Nitrite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Oxalate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Perchlorate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Perfluoro Acetate	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Potassium Permanganate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Peroxide	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Potassium Persulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Phosphate (Acid)	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Phosphate (Alkaline)	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Phosphate (Di/Tri Basic)	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Pyrosulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Salts	5747	1	1	1	1	X	1	1	1	1	1	1	1	1	1	1
Potassium Silicate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Potassium Sodium Tartrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Stannate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Stearate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Sulfate	5780	1	1	1	1	X	1	1	4	1	1	2	2	1	1	1

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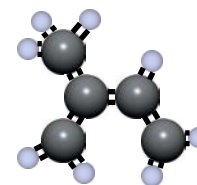
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Potassium Sulfide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Sulfite	5747	1	1	1	1	X	1	2	4	1	1	2	2	1	1	1
Potassium Tartrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Thiocyanate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Thiosulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Potassium Triphosphate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Prestone® Antifreeze	5767	1	1	1	1	X	1	1	4	4	1	1	1	1	1	1
Producer Gas	5780	1	X	4	1	X	2	4	2	1	4	4	2	2	2	1
Propane	5780	1	1	4	1	X	2	4	1	3	4	4	2	2	4	1
Propionaldehyde	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Propionic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Propionitrile	5747	1	1	4	1	1	2	X	X	X	X	X	X	X	X	1
Propyl Acetate	23711	4	4	2	4	X	4	4	4	4	2	4	4	4	4	1
Propyl Acetone or n-Propyl Acetone	23711	4	4	1	4	X	4	4	4	4	1	4	4	4	3	1
Propyl Alcohol	5780	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1
Propyl Nitrate	23711	4	1	2	4	X	4	4	4	X	2	4	4	4	4	1
Propyl Propionate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Propylamine	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	2
Propylbenzene	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Propylene	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Propylene Chloride	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Propylene Chlorohydrin	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Propylene Dichloride	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Propylene Glycol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Propylene Imine	10746	X	X	X	1	X	4	4	4	3	4	4	4	2	X	1
Propylene Oxide	23711	4	4	2	4	X	4	4	4	4	2	4	4	4	4	1
Pydraul™ 10E (PCB's)	23711	4	4	1	1	X	4	4	4	4	1	4	4	4	4	1
Pydraul™ 29ELT 30E, 50E, 65E (PCB's)	10746	4	4	1	1	X	4	4	4	4	1	4	4	1	1	1
Pydraul™ 90e (PCB's)	23711	4	4	1	1	X	4	4	4	4	1	4	4	1	1	1
Pydraul™ 115E (PCB's)	10746	4	4	1	1	X	4	4	4	4	1	4	4	3	4	1
Pydraul™ 230C, 312C, 540C, A200 (PCB's)	10746	4	4	4	1	X	4	4	4	4	4	4	4	4	4	1
Pyranol® Transformer Oil (PCB's)	5767	1	1	4	1	X	2	4	1	2	4	4	3	1	4	1
Pyridine	23711	4	4	2	4	X	4	4	4	X	2	4	4	4	4	1
Pyridine Oil	23711	4	4	2	4	X	4	4	4	X	2	4	4	4	4	4
Pyridine Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Pyridine Sulfonic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Pyrogallol (Pyrogalllic Acid)	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Pyrogard™ 42, 43, 55	23711	4	4	1	1	2	4	X	X	X	X	X	X	X	X	1
Pyrogard™ 53, Mobil Phosphate Ester	23711	4	4	1	1	X	4	4	4	4	1	4	4	4	4	1

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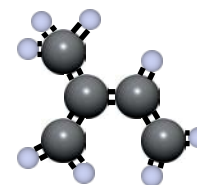
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Pyrogard™ D, Mobil Water-in-Oil Emulsion	3720	1	1	4	4	X	2	4	X	1	4	4	1	2	3	1
Pyroigneous Acid	23711	4	4	2	4	X	2	4	4	4	2	4	2	4	X	1
Pyrolube™	10746	4	4	2	1	X	4	4	4	4	2	4	4	2	2	1
Pyrosulfuric Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Pyrosulfuryl Chloride	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Pyrrole	23711	4	4	3	4	X	4	3	4	X	4	3	4	3	2	1
Pyruvic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Quinidine	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Quinine	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Quinine Bisulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Quinine Hydrochloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Quinine Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Quinine Tartrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Quinizarin	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Quinoline	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Quinone	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
RJ-1 (MIL-F-25558)	3716	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
RJ-4 (MIL-F-82522)	3716	2	2	4	1	X	4	4	2	2	4	4	X	1	4	X
RP-1 (MIL-R-25576)	3716	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
Raffinate	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Rapeseed Oil	23711	2	2	1	1	X	2	4	2	2	1	4	2	1	4	1
Red Line 100 Oil	10746	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
Red Oil (MIL-H-5606)	10746	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
Resorcinol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1.
Rhodium	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Riboflavin	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Ricinoleic Acid	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Rosin	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
SF 1154 GE Silicone Fluid™	23711	2	2	1	1	X	1	1	1	2	1	1	1	1	4	1
SF 1147 GE Silicone Fluid™	10746	2	2	3	1	X	X	X	X	X	3	X	X	X	4	1
SF 96 GE Silicone Fluid™	23711	2	2	1	1	X	1	1	1	2	1	1	1	1	4	1
SR-6 Fuel	10746	2	2	4	1	X	4	4	2	2	4	4	4	1	4	X
SR-10 Fuel	5747	1	1	4	1	X	4	4	2	2	4	4	4	1	4	X
Saccharin Solution	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sal Ammoniac	23711	1	1	1	1	X	1	1	1	1	1	1	1	1	2	1
Salicylic Acid	23711	2	2	1	1	X	1	2	X	X	1	1	X	1	X	1
Santo Safe 300	10746	4	4	3	1	X	4	4	4	X	3	4	X	1	1	1
Sea (Salt) Water	23711	1	1	1	1	X	2	1	4	2	1	1	1	1	1	1
Sebacic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1

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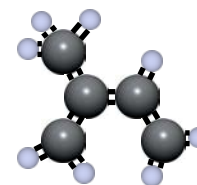
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Selenic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Selenous Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sewage	5747	1	1	2	1	X	2	2	4	4	2	2	1	1	2	1
Shell® 3XF Mine Fluid (Fire resist hydr.)	5747	1	1	4	1	X	2	4	4	4	4	4	2	1	X	1
Shell® Alvania Grease #2	5767	1	1	4	1	X	2	4	1	1	4	4	4	1	2	1
Shell® Carnea 19 and 29	3720	1	1	4	1	X	4	4	1	2	4	4	4	1	X	1
Shell® Diala	3720	1	1	4	1	X	2	4	1	2	4	4	4	1	4	1
Shell® Irus 905	3720	1	1	4	1	X	2	4	1	1	4	4	4	1	4	1
Shell® Lo Hydrax 27 and 29	3720	1	1	4	1	X	2	4	1	2	4	4	4	1	4	1
Shell® Macome 72	3720	1	1	4	1	X	2	4	1	2	4	4	4	1	4	1
Shell® Tellus #32 Pet. Base	3720	1	1	4	1	X	2	4	1	1	4	4	4	1	4	1
Shell® Tellus #68	3720	1	1	4	1	X	2	4	1	1	4	4	4	1	4	1
Shell® Tellus 27 (Petroleum Base)	3720	1	1	4	1	1	2	X	X	X	X	X	X	X	X	1
Shell® Tellus 33	3720	1	1	4	1	1	2	X	X	X	X	X	X	X	X	1
Shell® UMF (5% Aromatic)	5747	1	1	4	1	X	2	4	1	1	4	4	4	1	4	1
Shellac	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Silane	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Silicate Esters	10746	2	2	4	1	X	1	4	X	1	4	4	1	1	4	1
Silicon Fluoride	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Silicon Tetrachloride	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2
Silicon Tetrafluoride	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2
Silicone Greases	23711	1	1	1	1	X	1	1	1	1	1	1	1	1	3	1
Silicone Oils	23711	1	1	1	1	X	1	1	1	1	1	1	1	1	3	1
Silver Bromide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Silver Chloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Silver Cyanide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Silver Nitrate	23711	2	2	1	1	X	1	1	1	1	1	1	1	1	1	1
Silver Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sinclair™ Opaline CX-EP Lube	3720	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
Skelly™ Solvent B, C, E	5747	1	1	4	1	X	4	4	X	X	4	4	4	1	X	1
Skydrol® 500 B4	23811	4	4	1	4	X	4	4	4	4	2	4	4	3	3	1
Skydrol® 7000	23811	4	4	1	2	X	4	4	4	4	1	4	4	3	3	1
Skydrol® LD-4	23811	4	4	1	4	X	4	4	4	4	2	4	4	3	3	4
Soap Solutions	23711	1	1	1	1	X	2	1	4	3	1	2	1	1	1	1
Socony Mobile® Type A	3720	1	1	4	1	X	2	4	1	2	4	4	4	2	4	1
Socony Vacuum® AMV AC781 (grease)	3720	1	1	4	1	X	2	4	1	2	4	4	4	2	4	1
Socony Vacuum® PD959B	3720	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
Soda Ash	3720	1	1	1	1	X	1	1	X	X	1	1	1	1	1	1
Sodium (Molten)	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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Compound Selection Guide

Compound Worksheet



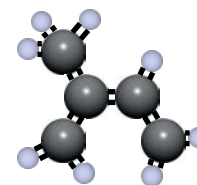
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Sodium Acetate	23711	2	2	1	4	X	2	4	4	4	1	1	1	4	4	1
Sodium Acid Bisulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Acid Fluoride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Acid Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Aluminate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Aluminate Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Anthraquinone Disulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Antimonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Arsenate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Arsenite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Benzoate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Bicarbonate (Baking Soda)	5780	1	1	1	1	1	1	1	X	X	1	1	1	1	1	1
Sodium Bichromate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Bifluoride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Bisulfate or Bisulfite	5780	1	1	1	1	1	1	2	4	X	1	1	1	1	1	1
Sodium Bisulfide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Bitartrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Borate	5780	1	1	1	1	X	1	1	X	X	1	1	1	1	1	1
Sodium Bromate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Bromide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Carbonate (Soda Ash)	5780	1	1	1	1	X	1	1	X	X	1	1	1	1	1	1
Sodium Chlorate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Chloride	5780	1	1	1	1	X	1	1	X	1	1	1	1	1	1	1
Sodium Chlorite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Chloroacetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Chromate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Citrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Cyanamide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Cyanate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Cyanide	5780	1	1	1	1	X	1	1	X	X	1	1	1	1	1	1
Sodium Diacetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Diphenyl Sulfonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Diphosphate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Disilicate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Ethylate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Ferricyanide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Ferrocyanide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Fluoride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Fluorosilicate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1

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Compound Worksheet



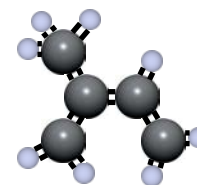
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU /EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Sodium Glutamate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Hydride	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Sodium Hydrogen Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Hydrosulfide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Hydrosulfite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Hydroxide, 3 Molar	23711	2	2	1	2	1	1	1	3	4	1	1	1	2	2	1
Sodium Hypochlorite	23711	2	2	2	1	1	1	4	4	4	2	4	1	2	2	1
Sodium Hypophosphate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Hypophosphite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Hyposulfite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Iodide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Lactate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Metaphosphate	5780	1	1	1	1	X	2	1	X	X	1	1	2	1	X	1
Sodium Metasilicate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Methylate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Monophosphate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Nitrate	23711	2	X	1	1	1	2	1	X	X	1	2	1	X	4	1
Sodium Oleate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Orthosilicate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Oxalate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Perborate	23711	2	2	1	1	X	2	2	X	X	1	2	2	1	2	1
Sodium Percarbonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Perchlorate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Peroxide	23711	2	2	1	2	X	2	2	4	4	1	2	2	1	4	1
Sodium Persulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Phenolate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Phenoxide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Phosphate (Dibasic)	5747	1	1	1	1	X	2	1	1	1	1	1	1	X	4	1
Sodium Phosphate (Mono)	5780	1	1	1	1	1	2	1	1	1	1	1	1	X	4	1
Sodium Phosphate (Tribasic)	5747	1	1	1	1	X	2	1	1	1	1	1	1	X	1	1
Sodium Plumbite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Pyrophosphate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Resinate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Salicylate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Salts	5747	1	1	1	1	X	2	1	1	1	1	1	1	1	1	1
Sodium Sesquisilicate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Sodium Silicate	5780	1	1	1	1	X	1	1	X	X	1	1	1	X	X	1
Sodium Silicofluoride	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Sodium Stannate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1

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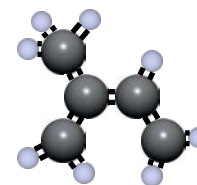
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Sodium Sulfate	5780	1	4	1	1	1	1	2	4	1	1	2	1	1	1	1
Sodium Sulfide and Sulfite	5747	1	1	1	1	X	1	2	4	1	1	2	1	1	1	1
Sodium Sulfo cyanide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Tartrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Tetraborate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Tetraphosphate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Tetrasulfide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Thioarsenate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Thiocyanate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Thiosulfate	23711	2	X	1	1	X	1	2	4	1	1	2	1	1	1	1
Sodium Trichloroacetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sodium Triphosphate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Solvesso™ 100, 150	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Sorbitol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sour Crude Oil	N/A	3	3	4	1	X	4	4	4	4	4	4	X	4	4	1
Sour Natural Gas	N/A	3	3	4	1	X	4	4	4	4	4	4	X	4	4	1
Sovasol™ No. 1, 2, and 3	5747	1	1	4	1	X	2	4	2	2	4	4	2	1	4	1
Sovasol™ No. 73 and 74	10746	2	2	4	1	X	2	4	2	2	4	4	2	1	4	1
Soybean Oil	3744	1	1	3	1	X	2	4	1	2	3	4	3	1	1	1
Spry®	5747	1	1	2	1	X	2	4	1	1	2	4	4	1	1	1
Standard Oil Mobilube™ GX90-EP Lube	3720	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
Stannic Ammonium Chloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Stannic Chloride	5780	1	1	1	1	X	2	1	X	X	1	1	1	1	2	1
Stannic Chloride, 50%	5780	1	1	1	1	X	2	1	X	X	1	1	1	1	2	1
Stannic Tetrachloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Stannous Bisulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Stannous Bromide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Stannous Chloride (15%)	5747	1	1	1	1	X	1	1	X	X	1	1	1	1	2	1
Stannous Fluoride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Stannous Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Stauffer 7700	8876	2	2	4	1	X	4	4	2	X	4	4	4	2	4	1
Steam Below 400°F	23711	4	4	1	4	1	3	4	4	4	2	4	4	4	3	1
Steam, 400°-500°F	623906	4	4	3	4	X	4	4	4	4	4	4	4	4	4	1
Steam, Above 500°F	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Stearic Acid	5780	2	2	2	1	1	2	2	X	1	2	2	2	X	2	1
Stoddard Solvent	5780	1	1	4	1	X	2	4	1	1	4	4	4	1	4	1
Strontium Acetate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Strontium Carbonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Strontium Chloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1

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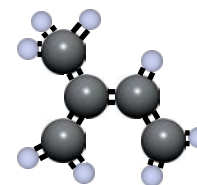
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU /EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Strontium Hydroxide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Strontium Nitrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Styrene (Monomer)	10746	4	4	4	2	2	4	4	4	3	4	4	4	3	4	1
Succinic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sucrose Solutions	3744	1	2	1	1	X	2	1	4	4	1	1	2	1	1	1
Sulfamic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sulfanilic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sulfanilic Chloride	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Sulfanilimide	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Sulfite Liquors	23711	2	X	2	1	X	2	2	4	4	2	2	2	2	4	1
Sulfolane	23711	2	2	1	2	1	2	X	X	X	X	X	X	X	X	1
Sulfonated Oils	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Sulfonic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sulfonyl Chloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	2
Sulfur	23711	4	4	1	1	X	1	4	4	X	1	4	1	1	3	1
Sulfur (Molten)	10746	4	4	3	1	X	3	4	4	4	3	4	4	3	3	1
Sulfur Chloride	10746	3	4	4	1	X	3	4	4	X	4	4	2	1	3	1
Sulfur Dioxide, Dry	23711	4	4	1	2	2	4	2	4	X	2	2	2	2	2	1
Sulfur Dioxide, Liquidified under pressure	23711	4	4	1	2	X	4	4	4	X	2	4	4	2	2	1
Sulfur Dioxide, Wet	23711	4	4	1	2	X	2	4	4	X	1	4	1	2	2	1
Sulfur Hexafluoride	23711	2	2	1	1	X	1	4	4	X	1	4	2	2	2	1
Sulfur Liquors	10746	2	2	2	1	X	2	2	4	X	2	2	2	2	4	1
Sulfur Monochloride	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Sulfur Tetrafluoride	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2
Sulfur Trioxide Dry	10746	4	4	2	1	X	4	2	4	X	2	2	4	2	2	1
Sulfuric Acid (20% Oleum)	8782	4	2	4	1	1	4	4	4	4	4	4	4	4	4	1
Sulfuric Acid, 3 Molar to 158°F	23711	3	X	2	1	1	2	3	2	3	2	3	1	3	4	1
Sulfuric Acid, Concentrated Room Temp	8782	4	X	3	1	1	4	4	4	4	4	4	1	4	4	1
Sulfuric Acid, Concentrated to 158°F	8782	4	X	4	1	X	4	4	4	4	4	X	X	4	4	1
Sulfuric Chlorohydrin (Chlorosulfonic Acid)	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Sulfurous Acid	8782	2	2	2	3	X	2	2	4	3	2	2	1	X	4	1
Sunoco #3661	5767	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
Sunoco All purpose grease	5767	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
Sunoco SAE 10	5767	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
Sunsafe® (Fire resist. hydr. fluid)	5767	1	1	4	1	X	2	4	4	4	4	4	2	1	X	1
Super Shell Gas	5747	1	1	4	1	X	2	4	2	2	4	4	4	2	4	1
Surfuryl Chloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Swan Finch EP Lube	3720	1	1	4	1	X	4	4	1	1	4	4	4	1	4	1
Swan Finch Hypoid-90	3720	1	1	4	1	X	2	4	1	1	4	4	4	1	4	1

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Compound Selection Guide

Compound Worksheet



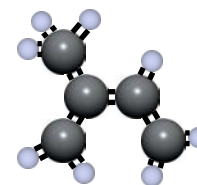
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Tallow	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Tannic Acid (10%)	5780	1	1	1	1	X	1	2	4	1	1	1	1	1	2	1
Tar, bituminous	10746	2	2	3	1	X	3	4	4	X	3	4	4	1	2	1
Tartaric Acid	5780	1	1	2	1	X	2	4	X	1	2	3	1	1	1	1
Tellone II	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Terephthalic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Terpineol	10746	2	2	3	1	X	4	4	X	2	3	4	4	1	X	1
Terpinyl Acetate	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Tertiary Amyl Methyl Ether (TAME)	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Tertiary Butyl Catechol	10746	4	X	2	1	X	2	2	4	4	2	4	2	1	X	1
Tertiary Butyl Mercaptan	10746	4	4	4	1	X	4	4	4	4	4	4	4	X	4	1
Tetrabromoethane	10746	4	4	4	1	X	4	4	4	X	4	4	4	2	4	1
Tetrabromomethane	10746	4	X	4	1	X	4	4	X	X	4	4	X	2	4	1
Tetrabutyl Titanate	23711	2	2	1	1	X	2	2	X	X	2	2	1	1	X	1
Tetrachloroethylene	10746	4	4	4	1	4	4	4	4	4	4	4	4	2	4	1
Tetrachoroethane	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	X	1
Tetraethyl Lead	10746	2	2	4	1	X	2	4	X	X	4	4	4	2	X	1
Tetraethyl Lead "Blend"	10746	2	2	4	1	X	4	4	X	X	4	4	4	2	X	1
Tetraethyl Orthosilicate (TEOS)	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Tetrahydrofuran	34744	4	4	3	4	X	4	4	4	3	3	4	4	4	4	1
Tetralin	10746	4	4	4	1	X	4	4	X	X	4	4	4	1	4	1
Tetramethyl Ammonium Hydroxide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Tetramethylcyclotetrasiloxane (TMCTS)	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Tetramethyldihydropyridine	8876	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Tetraphosphoglucosate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Tetraphosphoric Acid	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Therminol® 44	10746	4	4	4	1	X	4	X	4	X	4	X	X	X	4	1
Therminol® 55	10746	2	2	4	1	X	4	X	2	X	4	X	X	X	4	1
Therminol® 66	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Therminol® FR	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Therminol® VP-1, 60, 65	10746	4	4	4	1	X	4	X	4	X	4	X	X	X	2	1
Thio Acid Chloride	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Thioamyl Alcohol	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Thiodiacetic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Thioethanol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Thioglycolic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Thiokol® TP-90B	23711	4	4	1	1	X	2	4	X	X	1	X	2	2	X	1
Thiokol® TP-95	23711	4	4	1	1	X	2	4	X	X	1	X	2	2	X	1
Thionyl Chloride	5747	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1

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Compound Worksheet



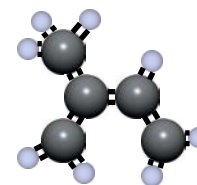
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Thiophene (Thiofuran)	5747	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Thiophosphoryl Chloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Thiourea	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Thorium Nitrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Tidewater® Multigear, 140 EP Lube	3720	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
Tidewater® Oil-Beedol	3720	1	1	4	1	X	2	4	1	1	4	4	4	1	2	1
Tin Ammonium Chloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Tin Chloride	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Tin Tetrachloride	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Titanic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Titanium Dioxide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Titanium Sulfate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Titanium Tetrachloride	10746	2	2	4	1	X	4	4	4	4	4	4	4	2	4	1
Toluene	8782	4	4	4	2	4	4	4	4	4	4	4	4	2	4	1
Toluene Bisodium Sulfite	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Toluene Diisocyanate (TDI)	23711	4	4	2	4	X	4	4	4	X	2	4	4	4	4	1
Toluene Sulfonyl Chloride	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	X
Toluenesulfonic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Toluidine	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	X
Toluol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Toluquinone	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	X
Tolylaldehyde	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Transformer Oil	55715	1	1	4	1	X	2	4	2	1	4	4	3	1	2	1
Transmission Fluid Type A	3720	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Triacetin	23711	2	2	1	4	X	2	2	4	4	1	2	2	4	X	1
Triaryl Phosphate	23711	4	4	1	1	X	4	4	4	4	1	4	4	2	3	1
Tribromomethylbenzene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	X
Tributoxyethyl Phosphate	23711	4	4	1	1	X	4	2	4	4	1	2	4	2	X	1
Tributyl Citrate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Tributyl Mercaptan	10746	4	4	4	1	X	4	4	4	X	4	4	4	3	4	1
Tributyl Phosphate	23711	4	4	2	4	1	4	4	4	4	2	2	4	4	4	1
Tributylamine	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Trichloroacetic Acid	23711	2	2	2	4	X	4	2	4	4	2	3	4	4	X	1
Trichloroacetyl Chloride	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	X
Trichlorobenzene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	X
Trichloroethane	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Trichloroethanolamine	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Trichloroethylene	10746	4	3	4	1	4	4	4	4	4	4	4	4	2	4	1
Trichloromethane	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	X

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Compound Worksheet



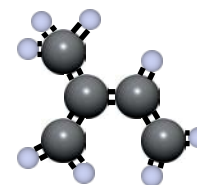
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Trichloronitromethane (Chloropicrin)	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	X
Trichlorophenylsilane	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Trichloropropane	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	X
Trichlorosilane	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	X
Tricresyl Phosphate	10746	4	4	4	1	1	3	1	4	4	1	4	4	2	3	1
Triethanol Amine	23711	2	3	1	4	1	1	2	4	4	2	2	2	4	X	1
Triethyl Phosphate	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Triethylaluminum	34860	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1
Triethylborane	8782	4	X	3	1	X	4	4	4	4	3	4	4	X	X	1
Triethylene Glycol	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Triethylenetetramine	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Trifluoroacetic Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	2
Trifluoroethane	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Trifluoromethane	10746	4	4	4	1	X	4	4	4	4	4	4	4	2	4	1
Trifluorovinylchloride	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Triisopropylbenzylchloride	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Trimethylamine (TMA)	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	2
Trimethylbenzene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Trimethylborate (TMB)	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Trimethylpentane	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Trinitrotoluene (TNT)	10746	4	4	4	2	X	2	4	4	X	4	4	2	2	X	1
Trioctyl Phosphate	23711	4	X	1	2	X	4	4	4	4	1	4	4	2	3	1
Triphenylphosphite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Tripoly Phosphate	23711	4	4	1	2	X	3	4	4	4	1	4	4	1	3	1
Tripotassium Phosphate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Trisodium Phosphate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Tung Oil (China Wood Oil)	3720	1	1	3	1	X	2	4	X	3	3	4	3	2	4	1
Turbine Oil	3720	2	1	4	1	X	4	4	1	1	4	4	4	2	4	1
Turbine Oil #15 (MIL-L-7808A)	10746	2	2	4	1	X	4	4	2	4	4	4	4	2	4	X
Turbo Oil #35	3720	1	1	4	1	X	2	4	1	1	4	4	4	1	4	1
Turpentine	5780	1	1	4	1	3	4	4	2	4	4	4	4	2	4	1
Type I Fuel (MIL-S-3136)(ASTM Ref. Fuel A)	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
Type II Fuel (MIL-S-3136)	5747	2	2	4	1	X	4	4	3	2	4	4	4	2	4	1
Type III Fuel (MIL-S-3136)(ASTM Ref. Fuel B)	5747	2	2	4	1	X	4	4	3	2	4	4	4	2	4	1
UPDI (Ultra Pure Deionized Water)	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Ucon™ Hydrolube J-4	3720	1	1	1	1	X	2	1	4	4	1	X	X	2	1	1
Ucon™ Lubricant 50-HB	3720	1	1	1	1	X	1	1	X	X	1	1	1	1	1	1
Ucon™ Lubricant LB-1145	3720	1	1	1	1	X	1	1	X	X	1	1	1	1	1	1
Ucon™ Lubricant LB-135	3720	1	1	1	1	X	1	1	X	X	1	1	1	1	1	1

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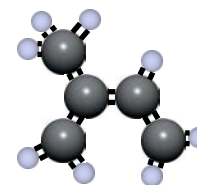
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FEPM or TFEF)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU /EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Ucon™ Lubricant LB-285	3720	1	1	1	1	X	1	1	X	X	1	1	1	1	1	1
Ucon™ Lubricant LB-300X	3720	1	1	1	1	X	1	1	X	X	1	1	1	1	1	1
Ucon™ Lubricant LB-625	3720	1	1	1	1	X	1	1	X	X	1	1	1	1	1	1
Ucon™ Lubricant LB-65	3720	1	1	1	1	X	1	2	X	X	1	2	2	1	1	1
Ucon™ Oil 50-HB-280x	23711	2	2	1	3	1	2	X	X	X	X	X	X	X	X	1
Ucon™ Oil Heat Transfer Fluid 500	3720	1	1	1	1	X	1	1	X	X	1	1	1	1	1	1
Ucon™ Oil LB-385	3720	1	1	1	1	X	1	1	X	X	1	1	1	1	1	1
Ucon™ Oil LB-400X	3720	1	1	1	1	X	1	1	X	X	1	1	1	1	1	1
Undecylenic Acid	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Undecylic Acid	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Univis™ 40 (Hydr. Fluid)	3720	1	1	4	1	X	2	4	1	1	4	4	2	1	4	1
Univolt™ #35 (Mineral Oil)	5747	1	1	4	1	X	2	4	1	1	4	4	4	1	4	1
Unsymmetrical Dimethyl Hydrazine (UDMH)	23711	2	2	1	4	X	2	1	X	X	1	1	1	4	4	1
Uric Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
VV-H-910	23711	2	3	1	1	X	2	1	2	3	2	2	2	2	4	1
Valeraldehyde	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Valeric Acid	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Vanadium Oxide	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Vanadium Pentoxide	5747	1	1	4	1	X	2	4	1	1	4	4	2	1	2	1
Varnish	8876	2	2	4	1	X	4	4	4	3	4	4	4	2	4	1
Vegetable Oil	3741	1	1	3	1	X	3	4	1	X	3	4	2	1	2	1
Versilube® F-50	23711	1	1	1	1	X	1	1	1	1	1	1	1	1	3	1
Versilube® F44, F55	3720	1	1	1	1	1	1	X	X	X	X	X	X	X	X	1
Vinegar	23711	2	2	1	1	X	2	2	4	4	1	2	1	3	1	1
Vinyl Acetate	23711	2	2	1	3	1	2	X	X	X	X	X	X	X	X	1
Vinyl Benzene	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Vinyl Benzoate	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Vinyl Chloride	10746	4	X	4	1	2	4	4	4	4	4	4	4	X	X	1
Vinyl Fluoride	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Vinylidene Chloride	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Vinylpyridine	10746	2	2	4	1	X	4	4	4	3	4	4	4	2	X	1
Vitriol - White (Zinc Sulfate)	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Wagner 21B Brake Fluid	23747	3	3	1	4	X	2	1	X	X	2	2	2	4	3	1
Water	23761	1	1	1	1	1	1	1	4	3	1	1	1	1	1	1
Wemco® C	3720	1	1	4	1	X	2	4	1	1	4	4	4	1	4	1
Whiskey and Wines	3741	1	1	1	1	X	1	1	4	2	1	1	1	1	1	1
White Liquor	3720	1	1	1	1	1	1	X	X	X	X	X	X	X	X	1
White Oil	3720	1	1	4	1	X	2	4	1	1	4	4	4	1	4	1
White Pine Oil	3720	2	X	4	1	X	4	4	X	X	4	4	4	1	4	1

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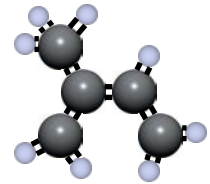
Fluid Name	Recommended Compound	Nitrile (NBR)	HNBR	EPDM	Fluorocarbon (FKM)	Aflas® (FPM or TFE/P)	Neoprene® (CR)	SBR	Polyacrylate (ACM)	Polyurethane (AU/EU)	Butyl (IIR)	Natural (NR)	Hypalon® (CSM)	Fluorosilicone (FVMQ)	Silicone (VMQ)	Perfluorocarbon (FFKM)
Wolmar Salt	5747	1	1	1	1	X	2	1	2	1	1	1	1	1	1	1
Wood Alcohol	5747	1	1	1	4	X	1	1	4	4	1	1	1	1	1	1
Wood Oil	5780	1	X	4	1	X	2	4	1	3	4	4	3	2	4	1
Xenon	5747	1	1	1	1	X	1	1	1	1	1	1	1	1	1	1
Xylene	10746	4	4	4	1	3	4	4	4	4	4	4	4	1	4	1
Xylidenes-Mixed-Aromatic Amines	23711	3	3	2	4	X	3	3	4	4	3	3	4	4	4	1
Xylol	10746	4	4	4	1	X	4	4	4	4	4	4	4	1	4	1
Zeolites	5747	1	1	1	1	X	1	1	X	X	1	1	1	1	X	1
Zinc Acetate	23711	2	2	1	4	X	2	4	4	4	1	1	1	4	4	1
Zinc Ammonium Chloride	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Zinc Chloride	5780	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1
Zinc Chromate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Zinc Cyanide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Zinc Diethyldithiocarbamate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Zinc Dihydrogen Phosphate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Zinc Fluorosilicate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Zinc Hydrosulfite	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Zinc Naphthenate	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Zinc Nitrate	5747	1	1	1	1	X	X	1	4	X	1	1	1	1	X	1
Zinc Oxide	5747	1	1	1	1	X	X	1	4	X	1	1	1	1	X	1
Zinc Phenolsulfonate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Zinc Phosphate	5747	1	1	1	1	X	1	1	4	1	1	1	1	1	1	1
Zinc Salts	5747	1	1	1	1	X	1	1	4	1	1	1	1	1	1	1
Zinc Silicofluoride	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Zinc Stearate	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Zinc Sulfate	5780	1	1	1	1	1	1	2	4	X	1	2	1	1	1	1
Zinc Sulfide	23711	3	3	1	3	X	1	1	4	4	1	1	1	1	2	1
Zirconium Nitrate	5747	1	1	1	1	X	1	2	4	4	1	2	1	1	1	1

1 = Satisfactory, 2 = Fair, 3 = Poor, 4 = Unsatisfactory, X = Unknown



Compound Selection Guide

Compound Worksheet



Name _____ Address _____
Company _____ City/St/Zip _____
Phone _____ Fax _____

Application _____ Static _____
Dynamic _____
Rotary _____

Normal Operating Pressure Range _____ (psi) _____ (BAR)
Maximum Pressure _____ (°F) _____ (°C)
Vacuum _____ (Torr) _____

Normal Operating Temperature _____ (°F) _____ (°C)
Maximum Temperature _____ (°F) _____ (°C)
Minimum Temperature _____ (°F) _____ (°C)

Acids _____	Hydraulic Fluid _____
Bases _____	Phosphate Ester _____
Petroleum _____	Silicone Oil _____
Water/Glycol _____	Refrigerants _____
Chemicals _____	Water _____
Ozone _____	Fuels _____
Light _____	Food/Medical Contact _____
Steam _____	Low Friction _____
Abrasion Resistance _____	High Friction _____
Color _____	Conductive _____
Specification _____	Other _____

PAI Customer Service Representative: _____

Please fax this form to 612-342-2417, or email to Info@PrecisionAssoc.com



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Minneapolis, MN 55412-2142

Toll Free: **1-800-394-6590**

612-333-7464

Sales: **612-334-9190**

FAX: **612-342-2417**

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 - ***Multiseal[®] Low Friction Seals***
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 - ***Medical Seals***
 - ***Machined Plastics***
 - ***Custom Molded Rubber Components***
-
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