Fluids Compatibility Tables

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

	Nitrile NBR	Hydrogenated Nitrile HNBR	Ethylene Propylene EPDM	Fluorocarbon FKM	Hiflur FKM	Perfluoroelastomer FFKM	Aflas (TFE/Propylene) FEPM	Styrene-Butadiene SBR	Neoprene/Chloroprene CR	Polyacrylate ACM	Polyurethane AU, EU	Butyl IIR	Butadiene BR	Isoprene IR	Natural Rubber NR	Epichlorohydrin CO, ECO	Fluorosilicone FVMQ	Silicone MQ, VMQ, PVMQ
- H -																		
Halothane	4	4	4	1	1	1	x	4	4	4	4	4	4	4	4	4	2	4
Halowax Oil	4	4	4	1	1	1	x	4	4	x	x	4	4	4	4	4	1	4
Hannifin Lube A	1	1	4	1	1	1	x	1	2	1	1	4	4	4	4	1	1	2
Heavy Water	1	1	1	x	1	1	x	2	1	4	4	1	1	1	1	1	1	1
HEF-2 (High Energy Fuel)	2	2	4	1	1	1	x	4	4	4	4	4	4	4	4	4	2	4
Helium	1	1	1	1	1	1	x	1	1	1	1	1	1	1	1	1	1	1
Heptachlor	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Heptachlorobutene	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Heptaldegyde (Heptanal)	1	1	4	1	1	1	x	2	4	1	1	4	4	4	4	2	1	2
Haptane or n-Haptane	1	1	4	1	1	1	x	2	4	1	2	4	4	4	4	2	3	4
Heptanoic Acid	1	1	4	1	1	1	x	2	4	1	1	4	4	4	4	2	1	2
Hexachloroacetone	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Hexachlorobutadiene	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Hexachlorobutene	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
hexachloroethane	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Hexaethyl Tetraphosphate	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Hexafluoroethane (F-116)	x	x	x	x	2	2	x	x	x	x	x	x	x	x	x	x	x	x
Hexafluoroxylene	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Hexaldehyde or n-Hexaldehyde	4	4	1	4	1	1	x	1	4	x	2	2	4	4	4	3	4	2
Hexamethyldisilizane	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Hexamethylene (Cyclohexane)	1	1	4	1	1	1	x	2	4	1	1	4	4	4	4	2	1	2
Hexamethylene Diammonium Adipate	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Hexamethylenediamine	3	3	1	3	2	2	x	1	1	4	4	1	1	1	1	1	1	2
Hexamethylenetetramine	3	3	1	3	2	2	x	1	1	4	4	1	1	1	1	1	1	2
Hexane or n-Hexane	1	1	4	1	1	1	x	2	4	1	2	4	4	4	4	2	3	4
Hexene-1 or n-Hexene-1	2	2	4	1	1	1	x	2	4	1	2	4	4	4	4	2	4	4
Hexone (Methyl Isobutyl Ketone)	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Hexyl Acetate	1	1	4	1	1	1	x	2	4	1	1	4	4	4	4	2	1	2

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Hexyl Alcohol	1	1	3	1	1	1	x	2	1	4	4	3	1	1	1	2	2	2
Hexylene Glycol	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Hexylresorcinol	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
High Viscosity Lubricant, H2	1	1	1	1	1	1	x	2	1	4	4	1	2	x	x	x	2	1
High Viscosity Lubricant, U4	1	1	1	1	1	1	x	2	1	4	4	1	2	x	x	x	2	1
HiLo MS #1	4	4	1	4	4	4	x	4	4	4	4	2	4	4	4	4	3	3
Houghto-Safe 1010 phosphate ester	4	4	1	1	1	1	x	4	4	4	x	1	4	4	4	4	2	3
Houghto-Safe 1055 phosphate ester	4	4	1	1	1	1	x	4	4	4	x	1	4	4	4	4	2	3
Houghto-Safe 120 phosphate ester	4	4	2	1	1	1	x	4	4	4	4	1	4	4	4	4	2	3
Houghto-Safe 271 (Water & Glycol Base)	1	1	1	2	1	1	x	2	1	4	4	2	x	x	x	x	2	2
Houghto-Safe 416 & 500 Series	1	1	1	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Houghto-Safe 5040 (Water/Oil emulsion)	1	1	4	1	1	1	x	2	4	4	4	4	4	4	4	4	2	3
Houghto-Safe 620 Water/Glycol	1	1	1	2	1	1	x	2	1	4	4	2	x	x	x	x	2	2
Hydraulic Oils (Synthetic Base)	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Hydraulic Oil (Petroleum Base, Industrial)	1	1	4	1	1	1	x	2	4	1	1	4	4	4	4	2	1	2
Hydrazine	2	2	1	4	1	1	x	2	2	x	4	1	x	x	1	2	4	2
Hydrazine (Anhydrous)	4	4	2	4	1	1	2	2	1	4	4	2	4	4	4	2	4	x
Hydrazine Dihydrochloride	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Hydrazine Hydrate	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Hydriodic Acid	2	2	4	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Hydroabietyl Alcohol	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Hydrobromic Acid	4	4	1	1	1	1	x	4	4	4	4	1	4	1	1	1	3	4
Hydrobromic Acid 40%	4	4	1	1	1	1	x	2	4	4	4	1	4	1	1	1	3	4
Hydrocarbons, Saturated	1	1	4	1	1	1	x	2	4	1	2	4	4	4	4	3	1	4
Hydrochloric Acid (cold) 37%	4	x	3	1	1	1	1	4	x	x	x	x	x	x	x	x	x	x

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Hydrochloric Acid (hot) 37%	4	x	3	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Hydrochloric Acid, 3 Molar to 158 F	2	2	1	1	1	1	x	2	3	3	4	1	x	x	3	1	3	4
Hydrochloric Acid, Concentrated Room Temp.	2	2	2	1	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Hydrochloric Acid, Concentrated to 158 F	4	4	4	1	1	1	x	4	4	4	4	4	x	x	4	x	4	4
Hydrocyanic Acid	2	2	1	1	1	1	x	2	2	4	x	1	2	1	1	1	2	3
Hydro-Drive MIH-10 (Petroleum Base)	1	1	4	1	1	1	x	2	4	1	2	4	4	4	4	4	1	2
Hydro-Drive MIH-50 (Petroleum Base)	1	1	4	1	1	1	x	2	4	1	2	4	4	4	4	4	1	2
Hydrofluoric Acid (Anhydrous)	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Hydrofluoric Acid (conc.) cold	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Hydrofluoric Acid (conc.) Hot	4	x	4	3	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Hydrofluorosilicic Acid	2	2	1	1	1	1	x	2	2	x	x	1	x	1	1	1	4	4
Hydrogen Bromide (Anhydrous)	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Hydrogen Chloride (Anhydrous)	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Hydrogen Chloride gas	4	x	1	1	1	1	1	2	x	x	x	x	x	x	x	x	x	x
Hydrogen Cyanide	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Hydrogen Fluoride	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Hydrogen Fluoride (Anhydrous)	4	4	1	4	1	1	2	x	4	4	x	1	4	4	4	x	4	x
Hydrogen Gas, Cold	1	1	1	1	1	1	x	1	2	2	1	1	1	1	2	1	3	3
Hydrogen Gas, Hot	1	1	1	1	1	1	x	1	2	2	1	1	1	1	2	1	3	3
Hydrogen Iodide (Anhydrous)	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Hydrogen Peroxide	2	2	1	1	1	1	x	1	2	4	x	1	2	2	2	2	1	1
Hydrogen Peroxide 90%	4	4	3	1	1	1	x	4	4	4	x	3	4	4	4	3	2	2
Hydrogen Selenide	x	x	x	x	1	1	x	x	x	x	x	x	x	x	x	x	x	x
Hydrogen Sulfide Dry Cold	1	1	1	4	1	1	x	1	1	4	x	1	1	1	1	1	3	3
Hydrogen Sulfide Dry Hot	4	4	1	4	1	1	x	2	4	4	x	1	4	4	4	3	3	3

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Hydrogen Sulfide Wet Cold	4	4	1	4	1	1	x	1	4	4	x	1	4	4	4	2	3	3
Hydrogen Sulfide Wet Hot	4	4	1	4	1	1	x	2	4	4	x	1	4	4	4	3	3	3
Hydrolube-Water/Ethylene Glycol	1	1	1	1	1	1	x	2	1	4	4	2	x	x	x	x	2	2
Hydrooxycitronellal	x	x	x	1	1	1	x	4	4	4	3	4	4	4	4	4	2	x
Hydroquinol	4	4	4	1	2	2	x	4	x	x	x	x	x	x	x	x	x	x
Hydroquinone	3	3	2	2	1	1	x	4	4	4	x	4	4	2	2	4	2	x
Hydroxyacetic Acid	3	3	1	3	1	1	x	1	1	4	4	1	1	1	1	1	1	2
Hydyne	2	2	1	4	1	1	x	2	2	4	x	2	2	2	2	x	4	4
Hyjet	4	4	1	4	1	1	2	4	x	x	x	x	x	x	x	x	x	x
Hyjet IV and IVA	4	4	1	4	4	4	x	4	4	4	4	2	4	4	4	4	4	4
Hyjet s4	4	x	1	4	1	1	2	4	x	x	x	x	x	x	x	x	x	x
Hyjet w	4	4	1	4	1	1	2	4	x	x	x	x	x	x	x	x	x	x
Hypochlorous Acid	4	4	2	1	1	1	x	4	4	4	x	2	4	2	2	1	x	x

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