

GENERAL CHEMICAL COMPATIBILITY CHART

COMPOUND	ELASTOMERS							POLYMERS					METALS				
	FKM VITON®	FFKM KALREZ®	FEPM AFLAS®	CR NEOPRENE	IR ISOPRENE	EPDM	NBR NITRILE BUNA-N	PTFE TEFLON	POLYAMIDE NYLON	LLDPE	HDPE	PVC	ALUMINIUM	CARBON STEEL	304 STAINLESS	316 STAINLESS	INCONEL
Acetone	4	1	2	3	1	1	4	1	1	2	3	4	1	2	1	1	1
Acetylene	1	1	1	2	4	1	1	1	1	4	1	1	1	1	1	1	1
Amines - mixed	4	2	3	2	2	2	4	1	1	1	1	4	1	2	1	1	1
Aromatic Fuel	1	1	2	4	4	4	2	2	◇	1	1	4	1	1	1	1	1
Benzene	1	1	2	4	4	4	4	1	1	4	4	4	2	1	1	1	1
Brine	1	1	1	1	1	1	1	1	1	1	1	1	2	◇	2	2	1
Bunker Oil	1	1	2	4	4	4	1	1	1	◇	◇	◇	1	◇	1	1	1
Butane	1	1	1	1	4	4	1	1	1	◇	3	1	1	1	1	1	1
Crude Oil (Sour)	1	1	◇	4	4	4	1	1	◇	◇	◇	1	1	2	1	1	1
Crude Oil (Sweet)	1	1	1	2	4	4	1	1	1	1	1	1	1	2	1	1	1
Diesel	1	1	2	3	4	4	1	1	1	3	4	1	1	1	1	1	1
Ethanol Amine	4	1	4	2	2	1	2	1	1	1	1	4	◇	3	1	1	◇
Ethyl Alcohol	3	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	◇
Ethyl Benzene	1	1	3	4	4	4	3	1	2	◇	3	4	2	1	1	1	1
Ethylene Glycol	1	1	1	1	1	1	1	1	3	1	1	1	1	2	1	1	1
Gasoline	1	1	1	4	4	4	1	1	1	◇	2	4	1	2	1	1	1
Heptane	1	1	1	1	4	4	1	1	1	2	2	3	1	1	1	1	1
Hexane	1	1	1	1	4	4	1	1	1	4	3	2	1	1	1	1	1
Hydrocarbons, Saturated	1	1	1	2	4	4	2	1	◇	◇	◇	◇	◇	◇	◇	◇	◇
Hydraulic Oil	1	1	1	2	4	4	1	1	1	3	1	1	1	1	1	1	◇
Hydrochloric Acid, 37% (Cold)	1	1	1	4	◇	3	3	1	4	1	1	2	4	4	4	4	◇
Hydrochloric Acid, 37% (Hot)	1	1	1	4	4	3	4	◇	4	1	1	◇	4	4	4	4	◇

- 1 — EXCELLENT
- 2 — GOOD
- 3 — FAIR
- 4 — NOT RECOMMENDED
- ◇ — INSUFFICIENT INFORMATION



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Hydrogen Sulphide (Dry)	4	1	3	1	1	1	2	1	2	1	1	1	2	4	2	2	1
Hydrogen Sulphide (Wet)	4	1	4	1	4	1	4	1	2	1	1	2	3	4	2	2	1
Isopropyl Alcohol	1	1	1	2	1	1	1	1	1	1	1	1	2	◇	1	1	1
Kerosene	1	1	2	2	4	4	1	1	1	3	2	1	1	1	1	1	1
Liquefied Petroleum Gas	1	1	1	2	4	4	1	1	1	◇	◇	◇	1	2	1	1	◇
Mercaptan	1	1	2	2	4	4	1	◇	◇	◇	◇	◇	◇	◇	1	1	1
Methane	1	1	2	2	4	4	1	1	1	◇	◇	2	1	4	1	1	1
Methanol	4	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
Methyl Ethyl Ketone	4	1	4	4	4	1	4	1	1	2	3	4	1	1	1	1	1
Naphthalene	1	1	3	4	4	4	4	1	1	4	3	4	2	1	1	1	1
Natural Gas (Sweet)	1	1	1	1	2	4	1	1	◇	1	1	1	◇	1	1	1	1
Natural Gas (Sour)	1	1	◇	4	4	4	1	1	1	◇	◇	◇	2	1	1	1	◇
Pentane	1	1	1	1	4	4	1	1	1	◇	4	1	1	3	1	1	1
Propane Gas	1	1	1	2	4	4	1	1	1	◇	1	1	1	2	1	1	1
Propylene Glycol	3	1	1	1	1	1	1	1	3	2	1	4	1	2	1	1	1
Sulphuric Acid (50%)	3	1	1	1	1	1	2	1	4	1	1	1	3	4	4	3	1
Tar, Bituminous	1	1	◇	3	2	4	2	1	1	◇	◇	4	1	1	1	1	1
Toluene	2	1	1	4	4	4	4	1	1	3	4	4	1	1	1	1	1
Turpentine	1	1	1	2	4	4	1	1	1	4	2	1	2	2	1	2	1
Xylene	1	1	4	4	4	4	4	1	1	4	3	4	1	1	1	3	1

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