

**Corporate Address**  
 21850 88<sup>th</sup> Place South  
 Kent, WA 98031  
 Email: info@nwflowtech.com



**Locations**  
 Western Washington: (253) 740-0530  
 Eastern Washington: (509) 949-3368  
 Idaho & Montana: (208) 360-3833  
 Oregon: (503) 708-9609

## Chemical Compatibility Guide

**Chemical Effect Rating:**

A = Excellent, little or no effect from exposure    B = Good, minor to moderate effect from exposure

C = Fair, moderate to severe effect    U = Severe Effect, not recommended    - Insufficient data available

Chemical	ACM (Noxite®, Hytemp®) AU/EU - Polyurethane	CR (Neoprene®)	EPDM (Buna EP®)	FKKM (Simriz®, Kalrez®, Isolast®)	FKM (Viton®)	FVMQ (Silastic®)	HNBR	NBR/Buna-N	VMQ (Silicone Rubber)	PTFE (Teflon)	Natural Rubber
Acetic Acid, 5%	C	U	B	A	A	C	C	C	B	A	B
Acetone liquid	U	U	U	A	A	U	U	U	U	A	B
Acetylene gas	A	-	B	A	A	A	A	A	B	A	B
Air	A	A	A	A	A	A	A	A	A	A	A
Ammonia gas (Cold)	U	U	A	A	A	U	U	A	A	A	A
Argon gas	A	A	A	A	A	A	A	A	A	A	A
Benzene (Benzol)	U	U	U	U	A	A	B	U	U	A	U
Butane	A	B	B	U	A	A	A	A	U	A	U
Butylene (Butene)	-	B	C	U	A	A	B	B	U	A	U
Carbon Dioxide dry	B	U	B	B	A	A	B	A	B	A	A
Carbon Disulfide	U	U	U	U	A	A	C	U	U	A	U
Carbon Monoxide	A	A	B	A	A	A	B	A	A	A	B
Carbon Tetrachloride	U	C	U	U	A	A	A	B	C	U	U
Chlorine gas	U	U	B	U	A	A	A	C	U	A	U
Chloroform	U	U	U	U	A	B	C	U	U	A	U
Cyclohexane	B	A	C	U	A	A	A	A	U	A	U
Diesel Fuel	B	B	B	U	A	A	A	A	U	A	U
Ethane	A	B	B	U	A	A	A	A	B	A	U
Ethyl Acetate	U	U	U	B/C	A	U	U	U	U	A	U
Ethyl Alcohol, Ethanol	U	U	A	A	A	U	A	A	B	A	A
Ethyl Benzene	U	U	U	U	A	B	B	U	U	A	U
Ethyl Bromide	U	U	U	U	A	U	U	B	B	A	U
Ethyl Chloride	C	B	B	B	A	A	A	A	U	A	B
Ethylene	B	B	C	U	A	A	A	A	U	A	U
Ethylene Oxide	U	U	U	B	A	U	U	U	U	A	U
Fluorine gas	U	-	-	U	B	U	U	U	U	A	U
Gas Oil	A	A	B	U	A	A	A	A	B	A	U
Gasoline	U	B	U	U	A	A	A	A	U	A	U

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Helium	A	A	A	A	A	A	A	A	A	A	A	
Hydrogen Bromide	U	U	U	U	A	A	C	A	A	C	-	
Hydrogen Chloride gas	-	-	C	A	A	A	U	U	U	U	A	
Hydrogen gas	B	A	A	A	A	A	C	A	A	C	A	
Hydrogen Sulfide, dry cold	U	U	A	A	A	U	C	A	A	C	A	
Hydrogen Sulfide, wet cold	U	U	A	A	A	U	C	B	A	C	A	
Isobutane	A	A	B	U	A	A	A	A	A	B	A	
Isopentane	A	B	U	U	A	A	A	A	A	U	A	
Lubricating Oils (Petroleum)	A	B	B	U	A	A	A	A	A	U	A	
Lubricating Oils (SAE 10, 20, 30, 40, 50)	A	B	B	U	A	A	A	A	A	U	-	
Lubricating Oils (Synthetic Base)	U	C	U	-	A	A	B	-	-	-	-	
Methane	A	C	B	U	A	A	B	A	A	U	A	
Methanol	U	U	A	A	A	A	A	B	B	B	A	
Methyl Acetate	U	U	B/C	A	A	U	U	U	U	U	A	
Methyl Bromide	U	U	U	U	A	A	A	B	B	U	A	
Methyl Chloride	U	U	U	B/C	A	B	B	U	U	U	A	
Methyl Cyclopentane	U	U	U	U	A	B	B	U	U	U	A	
Methyl Iodide	A	A	B	U	A	A	A	A	A	B	A	
Mineral Oil	A	A	B	U	A	A	A	A/B	A/B	B	A	
Natural Gas, Utility	A	B	B	U	A	A	A	A	A	A	A	
Neon	A	A	A	A	A	A	A	A	A	A	A	
Nitrogen	A	A	A	A	A	A	A	A	A	A	A	
Nitrous Oxides	U	U	A	A	A	U	A	C	C	B	A	
Nonane	A	A	B	U	A	A	A	A	A	B	-	
Octane	U	U	U	U	A	A	B	B	B	U	A	
Oxygen, cold	B	A	A	A	A	A	A	B	B	A	A	
Ozone	B	A	B	A/B	A	A	A	B/C	U	A	A	
Petroleum Oil (< +250°F)	B	B	B	U	A	A	B	A	A	B	A	

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Propane	B	B	B	U	A	A	B	A	A	U	A	U
Propylene (Propene)	U	U	U	U	A	A	B	U	U	U	A	U
R-12 (Freon-12)	-	B	A	B/C	B	B	U	B	B	U	A	B
R-21 (Freon-21)	U	B	B	U	A	U	B	U	U	U	-	U
R-22 (Freon-22)	B	U	A	A	B	U	U	U	U	U	A	A
Sea Water	U	B	B	A	A	A	A	A	A	A	A	A
Steam	-	U	U	A	B	B	U	U	U	U	A	U
Sulfuric Acid	B	U	U	A	A	A	A	B	B	A	A	B
Styrene	U	U	U	U	A	B	C	U	U	U	A	U
Sulfur Dioxide gas, dry	U	U	U	A	A	B	B	U	U	B	A	B
Toluene	U	U	U	U	A	B	B	U	U	U	A	U
Transformer Oil	B	A	U	U	A	A	A	B	B	B	A	U
Water (< +176°F)	U	U	B	A	A	A	A	A	A	B	A	A
Water Vapor (< +284°F)	U	U	U	A	A	U	B	C	U	B	A	A
Water Vapor (> +284°F)	U	U	U	B	A	U	B	U	U	B	A	A
Xenon	A	A	A	A	A	A	A	A	A	A	A	A