

The following chart is purely informative and does not imply any responsibility of VENAIR. Our specialists are available to advise you on the most suitable hose for any chemical product.

	S	B	V	P		S	B	V	P		S	B	V	P	
	SILICONE	VENA FOOD / VENA STEAM	VITOSIL	VENAFLO		ammonium hydroxide (concentrated)	ammonium nitrate	ammonium nitrite	ammonium persulfate solution		ASTM reference fuel A	D	D	A	A
> A: EXCELLENT						E	A	E	A		ASTM reference fuel B	D	D	A	A
> B: GOOD						B	A	E	A		ASTM reference fuel C	D	D	A	A
> C: SMOOTH REACTION						E	A	E	A		ATL-857	D	D	A	A
> D: NOT RECOMMENDED						E	A	E	A		atlantic dominion F	D	D	A	A
> E: INCOMPATIBILITY						A	A	E	A		aurex 903R mobil	D	D	A	A
						A	A	E	A		automatic transmission fluid	D	D	A	A
						A	A	E	A		automotive brake fluid	C	A	D	A
A										B					
acetaldehyde	A	A	D	A		A	A	C	A	bardol B	D	E	A	A	
acetamide	B	A	B	A		A	A	A	A	barium chloride	A	A	A	A	
acetic acid 5%	A	A	A	A		E	A	D	A	barium hydroxide	A	A	A	A	
acetic acid 30%	A	A	B	A		D	A	D	A	barium salts	A	A	A	A	
acetic acid, hot high press	C	C	D	A		D	A	B	A	barium sulfate	A	A	A	A	
acetic acid, glacial	B	B	D	A		E	D	E	A	barium sulfide	A	A	A	A	
acetic anhydride	C	B	D	A		D	D	A	A	bayol D	D	D	A	A	
acetone	B	A	D	A		D	D	A	A	beer	A	A	A	A	
acetophenone	D	A	D	A		D	D	A	A	beet sugar liquors	A	A	A	A	
acetyl acetone	D	A	D	A		D	D	A	A	benzaldehyde	D	A	D	A	
acetyl chloride	C	D	A	A		D	D	A	A	benzene	D	D	A	A	
acetylene	B	A	A	A		D	D	A	A	benzene sulfonic acid	D	D	A	A	
acetylene tetrabromide	E	A	A	A		D	D	A	A	benzine	D	D	A	A	
acrylonitrile	D	D	D	A		B	A	A	A	benzochloride	E	A	A	A	
adipic acid	E	E	E	A		B	D	A	A	benzoic acid	B	D	A	A	
aero lubriplate	B	D	A	A		B	A	D	A	benzophenone	E	B	A	A	
aero safe 2300	C	A	D	A		E	B	D	A	benzyl alcohol	E	B	A	A	
aero safe 2300 w	C	A	D	A		E	A	D	A	benzyl benzoate	E	B	A	A	
aero shell IAC	B	D	A	A		D	B	C	A	benzyl chloride	D	D	A	A	
aero shell 7 A grease	B	D	A	A		C	B	B	A	black point 77	C	A	A	A	
aero shell 17 grease	B	D	A	A		D	C	B	A	black sulphate liquors	B	B	A	A	
aero shell 750	D	D	A	A		D	B	C	A	blast furnace gas	A	D	A	A	
aerozene 50 (50% hydrazine 50% UDMH)						B	B	A	A	bleach solution	B	A	A	A	
air-below 300° F	A	B	A	A		B	D	A	A	borax	B	A	A	A	
air-above 300° F	A	D	A	A		D	D	A	A	bordeaux mixture	B	A	A	A	
alkazene	D	D	B	A		D	D	A	A	boric acid	A	A	A	A	
alum NH3 CR-K	A	A	D	A		D	D	A	A	boron fluids (HEF)	D	D	A	A	
aluminum acetate	D	A	D	A		D	D	A	A	brake fluid (non petroleum)	C	A	D	A	
aluminum bromide	A	A	A	A		D	C	D	A	bray GG-130	D	D	A	A	
aluminum chloride	B	A	A	A		D	C	B	A	brayco 719-R (VV-H-910)	B	A	D	A	
aluminum fluoride	B	A	A	A		B	A	A	A	brayco 885 MILL-L-6085 A	D	D	A	A	
aluminum nitrate	B	A	A	A		B	B	A	A	brayco 910	D	A	D	A	
aluminum phosphate	A	A	A	A		C	B	A	A	bret 710	D	A	D	A	
aluminum salts	A	A	A	A		A	E	A	A	brine	E	A	E	A	
aluminum sulfate	A	A	A	A		D	D	A	A	brom-113	D	D	E	A	
ambrex 33 mobile	D	D	A	A		A	A	A	A	brom-114	D	D	B	A	
amines, mixed	B	B	D	A		E	E	E	A	bromine	D	D	A	A	
ammonia anhydrous(liquid)	C	A	D	A		D	D	A	A	bromine anhydrous	C	E	A	A	
ammonia gas, cold	A	A	D	A		D	D	A	A	bromine pentafluoride	D	D	D	A	
ammonia gas, hot	A	B	D	A		A	D	A	A	bromine trifluoride	D	D	D	A	
ammonia & lithium metali solution	D	B	D	A		D	D	A	A	bromine water	D	D	A	A	
ammonium carbonate	E	A	E	A		C	D	A	A	bromobenzene	D	D	A	A	
ammonium chloride	E	A	A	A		D	D	A	A						

	S	B	V	P		S	B	V	P		S	B	V	P	
	SILICONE	VENA FOOD / VENA STEAM	VITOSIL	VENAFLO		carbanate	E	B	A	A	cobalt chloride	B	A	A	A
bromochloro trifluoroe-thane	D	D	A	A		carbitol	B	B	B	A	cobalt chloride, 2N	A	A	A	A
bunker oil	B	D	A	A		carbolic acid	D	B	A	A	cocoanut oil	A	C	A	A
butadiene	D	D	B	A		carbon bisulfide	E	D	A	A	cod liver oil	B	A	A	A
butane	D	D	A	A		carbon dioxide, dry	B	B	B	A	coffe	A	A	A	A
butane 2,2-dimethyl	D	D	A	A		carbon dioxide, wet	B	B	B	A	coke oven gas	B	D	A	A
butane 2,3-dimethyl	D	D	A	A		carbon disulfide	E	D	A	A	coliche liquors	E	B	E	A
butanol (butyl alcohol)	B	B	A	A		carbon monoxide	A	A	A	A	convelex 10	D	E	E	A
1-butane.2-ethyl	D	D	A	A		carbon tetrachloride	D	D	A	A	coolanol (monsanto)	D	D	A	A
butter	B	B	A	A		carbonic acid	A	A	A	A	coolanol 45 (monsanto) +A269	D	D	A	A
butyl acetate	D	B	D	A		castor oil	A	B	A	A	copper acetate	D	A	D	A
butyl acetyl ricinoleate	E	A	A	A		cellosolve	D	B	D	A	copper chloride	A	A	A	A
butyl acrylate	E	D	D	A		cellosolve acetate	D	B	D	A	copper cyanide	A	A	A	A
butyl alcohol	B	B	A	A		cellosolve butyl	D	B	D	A	copper sulfate	A	B	A	A
butyl amine	B	D	D	A		celluguard	A	A	A	A	copper sulfate 10%	A	B	A	A
butyl benzoate	E	B	A	A		cellulube A60 (now fyrquel)	E	A	B	A	copper sulfate 50%	A	B	A	A
butyl butyrate	E	A	A	A		cellulube	A	A	A	A	corn oil	A	C	A	A
butyl carbitol	D	A	C	A		90,100,150,220,300 and 500					cottonseed oil	A	C	A	A
butyl cellosolve	E	A	D	A		cellutherm 2505A	E	D	A	A	creosols	D	D	A	A
butyl cellosolve adipate	B	B	B	A		cetate (hexadecane)	D	D	A	A	creosote	D	D	A	A
butyl ether	D	C	D	A		china wood oil (tunf oil)	D	C	A	A	creosote, coal tard	D	D	A	A
butyl oleate	E	B	A	A		chloracetic acid	E	B	D	A	creosote, wood	D	D	A	A
butyl stearate	E	B	A	A		chlorodane	D	D	A	A	creosylvic acid	D	D	A	A
butylene	D	D	A	A		chlorexitol	D	D	A	A	crude oil	D	D	A	A
butyraldehyde	D	B	D	A		chlorinated salt brine	D	D	A	A	cumene	D	D	A	A
butyric acid	E	B	B	A		chlorinated solvents, dry	D	D	A	A	cutting oil	D	D	A	A
C						chlorinated solvents, wet	D	D	A	A	cyclohexane	D	D	A	A
calcine liquors	E	A	A	A		chlorine, dry	D	D	A	A	cyclohexanol	D	D	A	A
calcium acetate	D	A	D	A		chlorine, wet	E	C	A	A	cyclohexanone	D	B	D	A
calcium bisulfite	A	D	A	A		chlorine dioxide	E	C	A	A	P-cymene	D	D	A	A
calcium carbonate	A	A	A	A		chlorine dioxide (8%Cl as NAC102 in solution)	E	D	A	A					
calcium chloride	A	A	A	A		chlorine trifluoride	D	D	D	A					
calcium cyanide	A	A	E	A		chloroacetone	D	A	D	A					
calcium hydroxide	A	A	A	A		chloroacetic acid	E	B	E	A					
calcium hypochloride	E	A	A	A		chlorobenzene	D	D	A	A					
calcium hypochlorite	B	A	A	A		chl orobenzene (mono)	D	D	A	A					
calcium nitrate	B	A	A	A		chlorobromo methane	D	B	B	A					
calcium phosphate	A	A	A	A		chlorobutadiene	D	D	A	A					
calcium salts	B	A	A	A		chorododecane	D	D	A	A					
calcium silicate	E	A	A	A		chloroform	D	D	A	A					
calcium sulfide	B	A	A	A		0-chloroaphtanene	D	D	A	A					
calcium sulfite	A	A	A	A		I-chloro-I-nitro ethane	D	D	C	A					
calcium thiosulfate	A	A	A	A		chlorosulfonic acid	D	D	C	A					
caliche liquors	B	A	A	A		chlorotoluene	D	D	A	A					
cane sugar liquors	A	A	A	A		chlorox	E	B	A	A					
caproic aldehyde	B	B	D	A		0-chlorophenol	D	D	A	A					
						chrome alum	A	A	A	A					
						chrome plating solution	B	D	A	A					
						chromic acid	C	C	A	A					
						chromic oxide 88 Wt, % aqueous solution	B	B	A	A					
						circ light process oil	D	D	A	A					
						citric acid	A	A	A	A					
						city service koolmotor-AP gear oil 140 E,P,Lube	D	D	A	A					
						city service pacemaker #2	D	D	A	A					
						city service #65,#120,#250	D	D	A	A					

	S	B	V	P	S	B	V	P	S	B	V	P
	SILICONE	VENA FOOD / VENA STEAM	VITOSIL	VENAFLOW								
dowtherm oil					B	D	A	A				
dowtherm A or E					D	D	A	A				
dowtherm 209.50%solution					C	A	D	A				
drinking water					A	A	A	A				
dry cleaning fluids					D	D	A	A				
DTE light oil					D	D	A	A				
E												
elco 28-EP lubricant					B	D	A	A				
epichlorohydrin					D	B	D	A				
epoxy resins					E	A	D	A				
esam-6 fluid					E	A	D	A				
esso fuel 208					B	D	A	A				
esso golden gasoline					D	D	A	A				
esso motor oil					D	D	A	A				
esso transmission fluid (typeA)					D	D	A	A				
esso WS3812 (MIL-L-7808 A)					D	D	A	A				
esso SP90-EP lubricant					D	D	A	A				
esstic 42,43					B	D	A	A				
ethane					D	D	A	A				
ethanol					A	A	A	A				
ethanol amine					B	B	D	A				
ethers					D	C	C	A				
ethyl acetate-organic ester					B	B	D	A				
ethyl acetoacetate					B	B	D	A				
ethyl acrylate					B	B	D	A				
ethyl acrylic acid					D	B	E	A				
ethyl alcohol					B	A	A	A				
ethyl benzene					D	D	A	A				
ethyl benzoate					D	D	A	A				
ethyl bromide					E	D	A	A				
ethyl cellosolve					D	B	D	A				
ethyl cellulose					C	B	D	A				
ethyl chloride					D	A	A	A				
ethyl chlorocarbonate					D	D	A	A				
ethyl chloroformate					D	D	A	A				
ethyl cyclopentane					D	D	A	A				
ethyl ether					D	C	D	A				
ethyl formate					E	B	A	A				
ethyl hexanol					B	A	A	A				
ethyl mercaptan					C	D	B	A				
ethyl oxalate					D	D	A	A				
ethyl pentachlorobenzene					D	D	A	A				
ethyl silicate					E	A	A	A				
ethylene					E	E	A	A				
ethylene chloride					D	D	B	A				
ethylene chlorhydrin					C	B	A	A				
ethylene diamine					A	A	D	A				
ethylene dibromide					D	C	A	A				
ethylene dichloride					D	C	A	A				
ethylene glycol					A	D	A	A				
ethylene oxide					D	C	D	A				
ethylene trichloride					D	C	A	A				
ethylmorpholene stannos octoate (50/50)mixture					E	B	D	A				
F												
F-60 fluid (dow corning)					D	A	A	A				
F-61 fluid (dow corning)					D	A	A	A				
fatty acids					C	D	A	A				
FC-43 hetacosfluorotri- butylamine					A	A	A	A				
FC75 fluorocarbon					A	A	B	A				
ferric chloride					B	A	A	A				
ferric nitrate					C	A	A	A				
ferric sulfate					B	A	A	A				
fish oil					A	A	A	A				
fluoroboric acid					E	A	E	A				
fluorine (liquid)					D	C	B	A				
fluorobenzene					D	D	A	A				
fluorocarbon oils					E	A	E	A				
fluorolube					A	A	B	A				
fluorinated cyclic ethers					E	A	E	A				
fluosilicie acid					E	E	E	A				
formaldehyde					B	A	D	A				
formic acid					B	A	C	A				
freon,11					D	D	A	A				
freon,12					D	B	B	A				
freon, 12&ASTM-oil#2 (50/50 mixture)					D	D	A	A				
freon, 12&UNISO 4G (50/50 mixture)					D	D	A	A				
freon,13					D	A	A	A				
freon, 13B1					D	A	A	A				
freon,14					D	A	A	A				
freon,21					D	D	D	A				
freon,22					D	A	D	A				
freon,22&ASTM OIL#2D (50/50 mixture)					B	B	A	A				
freon,31					E	A	D	A				
freon,32					E	A	D	A				
freon,112					D	D	A	A				
freon, 113					D	D	B	A				
freon,114					D	A	B	A				
freon,228					E	A	D	A				
freon,C316					E	A	E	A				
freon,C318					E	A	A	A				
freon, 502					E	A	B	A				
freon, BF					D	D	A	A				
freon, MF					D	D	B	A				
freon, TF					D	D	B	A				
freon, TA					A	A	C	A				
freon, TC					D	B	A	A				
freon, TMC					C	B	A	A				
freon, t-P35					A	A	A	A				
freon, T-WD602					D	B	A	A				
freon, PCA					D	D	B	A				
fuel oil					D	D	A	A				

	S	B	V	P	SILICONE	VENA FOOD / VENAFON	VITOSIL	VENAFON	S	B	V	P	S	B	V	P			
fuel oil acidic	A	D	A	A	hexane	D	D	A	A	industron FF53	D	D	A	A					
fuel oil #6	A	D	A	A	N-hexane-1	D	D	A	A	industron FF80	D	D	A	A					
fumaric acid	B	E	A	A	hexyl alcohol	B	C	A	A	iodine	E	B	A	A					
fuming sulphuric acid (20/25% oleum)	D	D	A	A	high viscosity lubricant U14	A	A	A	A	iodine pentafluoride	D	D	D	A					
furan (fufuran)	E	C	E	A	high viscosity lubricant H2	A	A	A	A	iodoform	E	A	E	A					
fufural	D	B	D	A	hilo MS #1	C	B	D	A	isobutyl alcohol	A	A	A	A					
fufuraldehyde	D	B	D	A	houghto-safe271 (water and glycol base)	B	A	B	A	iso-butyl N-butyrate	E	A	A	A					
fufuraldehyde	D	B	D	A	houghto-safe 620(water/glycol)	B	A	B	A	isododecane	E	D	A	A					
fufuraly alcohol	D	B	E	A	houghto-safe 1010 phosphate ester	C	A	A	A	iso-octane	D	D	A	A					
furyl carbinol	D	B	E	A	houghto-safe 1055 phosphate ester	C	A	A	A	isophorone (ketone)	D	A	D	A					
fyquel A60	C	B	D	A	houghto-safe 1120 phosphate ester	C	A	A	A	isopropanol	A	A	A	A					
fyquel 90, 100, 150, 220, 300 500	A	A	A	A	houghto-safe 5040 (water/oil emulsion)	C	D	A	A	isopropyl acetate	D	B	D	A					
					hydraulic oil (petroleum-base)	C	D	A	A	isopropyl alcohol	A	A	A	A					
G					hydrazine	C	A	E	A	isopropyl chloride	D	D	A	A					
galic acid	E	B	A	A	hydrobromic acid	D	A	C	A	isopropyl ether	D	D	D	A					
gasoline	D	D	A	A	hydrobromic acid 40%	D	A	A	A										
gelatin	A	A	A	A	hydrocarbons (saturated)	D	D	A	A	J									
grilling brake fluid	E	A	D	A	hydrochloric acid hot 37%	D	C	A	A	JP 3 (MIL-J-5624)	D	D	A	A					
glacial acetic-acid	B	B	D	A	hydrochloric acid cold 37%	B	A	A	A	JP 4 (MIL-J-5624)	D	D	A	A					
glauber's salt	E	B	B	A	hydrochloric acid 3 molar	D	A	A	A	JP 5 (MIL-J-5624)	D	D	A	A					
glucose	A	A	A	A	hydrochloric acid concentrated	D	C	A	A	JP 6 (MIL-J-25656)	D	D	A	A					
glue (depending on type)	A	A	A	A	hydrocyanic acid	C	A	A	A	JP X (MIL-J-25604)	D	D	D	A					
glycerine-glycerol	A	A	A	A	hydro-drive, MIH-50 (petroleum base)	B	D	A	A	kel F liquid	A	A	B	A					
glycols	A	A	A	A	hydro-drive, MIH-10 (petroleum base)	B	D	A	A	kerosene	D	D	A	A					
green sulphate liquor	A	A	A	A	hydrofluoric acid, 65% max. cold	D	A	A	A	keystone #87HX-grease	D	D	A	A					
gulfcrown grease	D	D	A	A	hydrofluoric acid, 65% min. cold	D	C	A	A										
gulf endurance oils	D	D	A	A	hydrofluoric acid, 65% max. hot	D	D	C	A	L									
gulf FR fluids (emulsion)	D	D	A	A	hydrofluoric acid, 65% min. hot	D	D	C	A	lactams-amino acids	E	B	D	A					
gulf FRG-fluids	A	A	A	A	hydrofluosilicic acid	D	A	A	A	lactic acid	A	A	A	A					
gulf FRP-fluids	A	B	B	A	hydrogen gas, cold	C	A	A	A	lacquers	D	D	D	A					
gulf harmony oils	D	D	A	A	hydrogen gas, hot	C	A	A	A	lacquer solvents	D	D	D	A					
gulf high temperature grease	D	D	A	A	hydrogen peroxide (1)	A	A	A	A	lard, animals fats	B	D	A	A					
gulf lesion oils	D	D	A	A	hydrogen 90% (1)	B	C	B	A	lavender oil	D	D	A	A					
gulf paraount oils	D	D	A	A	hydrogen sulfide dry, cold	C	A	D	A	lead acetate	D	A	D	A					
gulf security oils	D	D	A	A	hydrogen sulfide dry, hot	C	A	D	A	lead nitrate	B	A	E	A					
					hydrogen sulfide wet, cold	C	A	D	A	lead sulphamate	B	A	A	A					
H					hydrogen sulfide wet, hot	C	A	D	A	lehigh x 1169	D	D	A	A					
halotane	D	D	A	A	hydrolube-water/ethylene glycol	B	A	A	A	lehigh x 1170	D	D	A	A					
halowax oil	D	D	A	A	hydroquinone	E	D	D	A	light greas	D	D	A	A					
hannifin lube A	B	D	A	A	hydyne	D	A	D	A	ligroin (petroleum ether or benzine)	D	D	A	A					
heavy water	A	A	E	A	hyjet	E	A	D	A	lime bleach	B	A	A	A					
HEF-2 (high energy fuel)	D	D	A	A	hyjet III	E	A	D	A	lime sulphur	A	A	A	A					
helium	A	A	A	A	hyjet S	E	A	D	A	lindol, hydraulic fluid (phosphate ester type)	C	A	B	A					
N-heptane	D	D	A	A	hyjet W	E	A	D	A	linoleic acid	B	D	B	A					
N-hexaldehyde	B	B	D	A	hydrochlorous	E	B	A	A	linseed oil	A	C	A	A					
										liquid oxygen	D	D	D	A					
I										liquid petroleum gas (LPG)	C	D	A	A					
										liquimoly	D	D	A	A					
										lubricating oils, di-ester	D	D	A	A					
										lubricating oils, petroleum base	D	D	A	A					
										lye solutions	B	A	B	A					
										M									
										magnesium chloride	A	A	A	A					

	S	B	V	P		S	B	V	P		S	B	V	P	
	SILICONE	VENA FOOD / VENA STEAM	VITOSIL	VENAFLO		mobil 24 DTE	D	D	A	A	oleum (fuming sulfuric acid)	D	D	A	A
						mobil HF	E	D	A	A	oleum spirits	D	D	A	A
						mobil delvac	D	D	A	A	olive oil	D	B	A	A
						1100,1110,1130	A	A	A	A	oronite 8200	D	D	A	A
						mobil nyvac 20 and 30	A	A	A	A	oronite 8515	D	D	A	A
						mobil velocite C	D	D	A	A	orthochloroethylbenzene	D	D	A	A
						mobilgas wa 200, type A	D	D	A	A	ortho-dichlorobenzene	D	D	A	A
						automatic trans. Fluid	D	D	A	A	os45 type III (os54)	D	D	A	A
						mobil oil SAE20	D	D	A	A	os45 type IV (os45)	D	D	A	A
						mobiltherm 600	D	D	A	A	OS70	D	D	A	A
						mobilux	D	D	A	A	oxalic acid	B	A	A	A
						mono bromobenzene	D	D	A	A	oxygen, cold	A	A	A	A
						mono chlorobenzene	D	D	A	A	oxygen, cold 200-400°F	B	D	B	A
						mono ethanolamine	B	B	D	A	ozone	A	A	A	A
						monomerethyl aniline	E	E	B	A					
						monomerethylether	E	A	E	A					
						monomerethyl hydrazine	D	A	E	A					
						monotrotoluene & dinitro-toluene(40-60mix)	D	D	C	A					
						monovinyl acetylene	B	A	A	A					
						mopar brake fluid	C	A	D	A					
						mustard gas	A	A	E	A					
							N								
						naptha	D	D	A	A					
						napthalene	D	D	A	A					
						napthenic	D	D	A	A					
						natural gas	A	D	A	A					
						neatsfoot oil	B	B	A	A					
						neon	A	A	A	A					
						nevile acid	D	B	A	A					
						nickel acetate	D	A	D	A					
						nickel chloride	A	A	A	A					
						nickel salts	A	A	A	A					
						nickel sulfate	A	A	A	A					
						niter cake	A	A	A	A					
						nitric acid (1) 3 molar	D	B	A	A					
						nitric acid (1) concentrated	D	D	A	A					
						nitric acid dilute	B	B	A	A					
						nitric acid (1) red fuming (RFNA)	D	D	C	A					
						nitric acid (1) inhibited red fuming (IRFNA)	D	D	B	A					
						nitrobenzene	D	D	B	A					
						nitrobenzine	E	C	A	A					
						nitroethane	D	B	D	A					
						nitrogen	A	A	A	A					
						nitrogen (texroxide) (N204) (1)	D	D	D	A					
						nitromethane	D	B	D	A					
						nitropropane	D	B	D	A					
						O									
						o-a-548 A	B	A	B	A					
						o-t-634b	D	D	A	A					
						octachlorotoluene	D	D	A	A					
						octadecane	D	D	A	A					
						N-octane	D	D	A	A					
						octyl alcohol	D	A	A	A					
						oleic acid	E	B	B	A					

