



Chemical Compatibility Guide for: Tingley® Neoprene Boots

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One Pork Avenue, Tipton, PA 16684-0304 • 1-800-HOT HOGS® (468-4647) • Fax: 1-800-621-PIGS (7447)
Email: hothogs@newpig.com • Web: newpig.com

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Tingley Neoprene Rubbers and Workboots
WPL693, WPL694, WPL794

CHEMICAL	Risk Code	Neoprene
HYDROCARBONS (OILS)		
ASTM OIL #1	T	E
ASTM OIL #3	NA	E
Castor Oil	NA	G
Coconut Oil	NA	E
Cottonseed Oil	NA	G
Cutting Oil - Sulfur Base	NA	G
Grease - Pet Base	NA	E
Lard	NA	G
Linseed Oil	NA	G
Mineral Oil	NA	G
Olive Oil	NA	G
Pine Oil	NA	P
Soybean Oil	NA	F
Tallow "Beef Tallow"	NA	G
HYDROCARBONS (SOLVENTS)		
Benzene*	T	P
Benzyl Chloride	T	P
Butane	NA	E
Carbon Tetrachloride	T	P
Chloroform	X	P
Cyclohexane	V	P
Gasoline (Cracked)	X	F
Gasoline (SR)	X	G
Hexane	X	E
Kerosene (CT) (JET)	X	P
Kerosene (PET)	X	G
Methyl Cellosolve	NA	G
Methyl Chloride	T	NR
Naphtha	X	NR
Nitrobenzene	T	NR
Perchloroethylene	X	P
Petroleum Solvent	V	F
Propane	NA	G
Toluene	X	P
Trichloroethylene	X	P
Trinitrotoluene	NA	F
Turpentine	X/S	P
Xylene	X	P
KETONES		
Acetone	V	G
Chloroacetone	NA	G
Methyl Ethyl Keytone	V	P
ALDEHYDES		
Acetaldehyde	Xi	E
Benzaldehyde	X	P
Butyraldehyde	Xi	P
Formaldehyde - <37% *	T/S	E
Furfural	T	G
ALCOHOLS		
Amyl Alcohol	X	E
Benzyl Alcohol	Xi	E
Butyl Alcohol	X	E
Diacetone Alcohol	Xi	E
Diethanolamine	Xi	G
Ethyl Alcohol	X/S	E
Ethylene Glycol	Xi	E
Glycerine	NA	E
Methyl Alcohol - Methanol	T	E
Octyl Alcohol	X	E
Propyl Alcohol	X	E
Triethanolamine	Xi	G

CHEMICAL	Risk Code	Neoprene
ORGANIC ACIDS		
Acetic Acid - Glacial 99%	Cx	E
Carbolic Acid - (Phenol) 70%	T/C	P
Citric Acid - <30%	NA	E
Formic Acid	Cx	E
Lactic Acid	C	E
Maleic Acid	Xi	F
Oleic Acid	NA	G
Stearic Acid	NA	G
Tannic Acid	Xi	E
INORGANIC ACIDS		
Carbonic Acid - H2O	NA	E
Hydrobromic Acid	T/Xi	P
Hydrochloric Acid - 70%	Xi	F
Hydrochloric Acid - <10%	Xi	E
Hydrofluoric Acid - Conc. 99.99%	Tx/Cx	P
Hydrogen Sulfide-Gas	T/Xi	G
Nitric Acid - Conc. 70%	Xi	P
Nitric Acid - 10%	Cx	F
Perchloric Acid - Conc. 70%	Cx	G
Phosphoric Acid - Conc. 86%	C	E
Sulfuric Acid - Conc. 93%	Cx	NR
Sulfuric Acid - <30%	C	G
SALTS AND ALKALIES		
Ammonium Hydroxide - 30-70%	C	E
Ammonium Sulfate	T	E
Calcium Chloride - Crys. Del.	X	E
Calcium Hypochlorite - Crys. Sol.	T/Xi	G
Caustic Potash-Caustic	NA	E
Copper Chloride	T	E
Copper Sulfate - Crys.	T/Xi	E
Ferric Chloride	NA	E
Potassium Dichromate-H2O-Sol.	T	E
Sodium Hydroxide - Conc. 70%	Cx	E
Sodium Hypochlorite - 30%	C	G
Tin Chloride	T	G
ORGANIC ESTERS		
Amyl Acetate	V	P
Butyl Acetate	V	P
Dibutyl Phthalate	Xi	F
Ethyl Acetate	V	NR
Ethyl Formate	NA	G
Methyl Acetate	V	G
Propyl Acetate	V	P
Tricresol Phosphate	T	F
MISCELLANEOUS		
Acrylonitrile*	T	P
Aniline	T	G
Battery Acid	C	G
Blood	NA	G
Butter	NA	E
Buttermilk	NA	G
Carbon Disulfide	T	P
Chlorox (Sodium Hypochlorite 5-6%)	Xi	E
Dibenzyl Ether	Xi	G
Ethyl Ether	X	F
Fish Oil	NA	G
Hydrogen Peroxide - 90%	Tx/Xi	P
Milk	NA	E
Monoethanolamine	Xi	NR
Morpholine	C/X	NR
Paint Remover - Acet-Alcoh-MC	Xi	F
Soaps	NA	G

Key to Degradation Ratings: E = Excellent G = Good F = Fair P = Poor NR = Not Recommended

* A known or potential carcinogen.

** These materials are available in both heat seal construction garments as well as stitch tape seamconstruction.

We recommend aheat sealed garment (Premier Neoprene, Iron Eagle

Polyurethane,Safetyflex, Durascrim) for anyapplication for protective clothingwhich will encounter a toxic or highlycorrosive chemical.

Information in this chart is intended as a general guide only. The ultimate determination of suitabilityof a product fora particularapplication is the responsibility of the purchaser. Upon written request,a sample of the material inquestion will be furnished to aid thepurchaser in determining its suitability.

RISK CODES RATINGS

Tx = HIGHLY TOXIC
T = TOXIC
Cx = HIGHLY CORROSIVE
C = CORROSIVE
NA = NOT ASSIGNED

X = HAZARDOUS TO HEALTH (LESS TOXIC)
Xi = IRRITANT
S = SENSITIZATION
V = POTENTIALLY HARMFUL

Risk code ratings and their meanings derived from The Chemical Protective Clothing Performance Index Book. Copyright 1989.

DISCLAIMER

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