



Chemical Compatibility Guide for: Onguard Industries Hazmax® Boots

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Bata®HAZMAX BOOTS ZMAX® Boots, W PL31, W

Chemical Resistance Test Results

Chemical	Chemical Class	Breakthrough time
Acetone	Ketone	>2 hours
Acetonitrile	Nitrile	No Breakthrough
Ammonia (gas)	Basic Inorganic Compound	No Breakthrough
Carbon Disulfide	Sulfur Organic Compound	>1 hour
Chlorine (gas)	Acidic Inorganic Gas	No Breakthrough
Dichloromethane	Chlorinated Hydrocarbon	>1 hour
Diethylamine	Amine	>2 hours
Dimethylformamide	Amide	No Breakthrough
Ethyl Acetate	Ester	>2 hours
Ethylene Oxide	Heterocyclic Compound	>2 hours
Hexane	Aliphatic Hydrocarbon	No Breakthrough
Hydrogen Chloride (gas)	Inorganic Gas and Vapor	No Breakthrough
Methanol	Alcohol	No Breakthrough
Methyl Chloride (gas)	Halogen Compound Gas	No Breakthrough
Nitrobenzene	Nitrogen Organic Compound	No Breakthrough
Sodium Hydroxide	Inorganic Base	No Breakthrough
Sulfuric Acid	Inorganic Acid	No Breakthrough
Tetrachloroethylene	Chlorinated Hydrocarbon (Olefin)	No Breakthrough
Tetrahydrofuran	Heterocyclic Ether	>2 hours
Toluene	Aromatic Hydrocarbon	No Breakthrough
1,3 Butadiene (gas)	Hydrocarbon Gas	No Breakthrough
Acetic Acid (glacial)	Carboxylic Acid	>8 hours
Acrylic Acid	Carboxylic Acid	>8 hours
Acrylonitrile	Nitrile	>2 hours

Arsenic Acid	Inorganic Acid	>8 hours
Bromine (liquid)	Element	>7 hours
Chromic Acid	Inorganic Acid	>8 hours
Dimethyl Hydrazine	Hydrazine	>4 hours
Epichlorohydrin	Halogen Compound	>3 hours
Ethylene Dichloride	Aliphatic Halogen Compound	>2 hours
Hydrazine	Hydrazine	>8 hours
Hydrofluoric Acid (48%)	Inorganic Acid	>8 hours
Nitric Acid (70%)	Inorganic Acid	>8 hours
Nitrogen Dioxide	Inorganic Gases and Vapors	>7 hours
Nitrogen Tetroxide	Inorganic Gases and Vapors	>6 hours
Oleum (30%)	Inorganic Acid	>8 hours
Toluene-2, 4 diisocyanate (TDI)	Aromatic Isocyanate	>8 hours

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