

Chemical Compatibility Guide for: PIG Universal Absorbent Mats

This report is offered as a guide and was developed from information which, to the best of New Pig's knowledge, was reliable and accurate. Due to variables and conditions of application beyond New Pig's control, none of the data shown in this guide is to be construed as a guarantee, expressed or implied. New Pig assumes no responsibility, obligation, or liability in conjunction with the use or misuse of the information.



New Pig

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Chemical Compatibility Guide

Guide Applicable to the Following:

PIG Universal Mat Pads, Pulp, Rolls and Tablets (Gray), PIG Chat Mat and Chat Sock Absorbents, PIG High-Visibility Pads and Rolls (Yellow), PIG Traffic Mat Pads and Rugs, PIG Universal 4 IN 1 Mat (Gray), PIG Universal Ham-O Pads, Pillows, Rolls, Socks and Tablets, PIG Well Pad Liner.

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Ratings/Key or Ratings – Chemical Effect

Degradation (Visually rated from 0-2): 0 = None, 1 = Slight, 2 = Significant

Good: No degradation

Fair: Temperature increase and/or color change

NR: (Not recommended): Significant degradation

* : Liquid may be slow to absorb

** : Liquid may not absorb

Due to variables and conditions beyond our control, New Pig cannot guarantee that this product(s) will work to your satisfaction. To ensure effectiveness and your safety, we recommend that you conduct compatibility and absorption testing of your chemicals with this product prior to purchase. For additional questions or information, contact New Pig.

Chemical Name	Chemical Class	Visible Degradation (0-2)	Rating
Acetone	Ketones	0	Good
Acetonitrile	Nitriles	0	Good
Aluminum Salts	Aluminum Compounds Hydroxylic	0	Good
Ammonium Hydroxide	Inorganic Base	0	Good
Barium Salts	Barium Compounds	0	Good
Benzyl Alcohol	Hydroxyl Compounds	0	Good
Bleach Solution	Inorganic Bases	0	Good
Boric Acid	Inorganic Acids	0	Good
Butanol	Hydroxyl Compounds	0	Good
Calcium Chlorite	Calcium Compounds	0	Good
Carbon Disulfide	Sulfur Compounds	0	Good
Carbon Tetrachloride	Halogen Compounds	0	Good
Chloroform	Halogen Compounds	0	Good
Cupric Chloride	Copper Compounds	0	Good
Cyclohexanone	Ketones	0	Good
Dichloromethane	Halogen Compounds	0	Good
Diethylamine	Amines	0	Good
Dimethylformamide	Amides	0	Good
Ethyl Acetate	Carboxylic Esters	0	Good



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Chemical Name	Chemical Class	Visible Degradation (0-2)	Rating
Formaldehyde	Aldehydes	0	Good
Gasoline	Aromatic Hydrocarbons	0	Good
Glycol Ether	Ethers	0	Good
Hexane	Aliphatic Hydrocarbons	0	Good
Hydrochloric Acid (37%)	Inorganic Acids	0	Good *
Hydrogen Peroxide (30%)	Peroxides	0	Good
Hydrofluoric Acid (48%)	Inorganic Acids	0	Good *
Isopropanol	Hydroxylic Compounds	0	Good
Jet Fuel (JP-5)	Hydrocarbons	0	Good
Kerosene	Hydrocarbons	0	Good
Methanol	Hydroxylic Compounds	0	Good
Methyl Ethyl Ketone	Ketones	0	Good
Mineral Oil	Alicyclic Hydrocarbons	0	Good
Mineral Spirits	Hydrocarbon	0	Good
Naphtha	Hydrocarbons	0	Good
Nitric Acid (70%)	Inorganic Acids	0	Good *
Nitrobenzene	Nitro Compounds	0	Good
Perchloroethylene	Halogen Compounds	0	Good
Phenol	Hydroxylic Compounds (Phenols)	0	Good
Potassium Hydroxide 50%	Inorganic Bases	0	Good **
Propylene Glycol	Hydroxylic Compounds	0	Good
Sodium Hydroxide (20%)	Inorganic Bases	0	Good *
Sodium Hydroxide (30%)	Inorganic Bases	0	Good *
Sodium Hydroxide (40%)	Inorganic Bases	0	Good **
Sodium Hydroxide (50%)	Inorganic Bases	0	Good **
Styrene	Aromatic Organic	0	Good
Sulfuric Acid (50%)	Inorganic Acids	0	Good *
Sulfuric Acid (98%)	Inorganic Acids	0	Good **
Tetrachloroethylene	Halogen Compounds	0	Good
Tetrahydrofuran	Ethers	0	Good
Thionyl Chloride	Chloride Compounds	0	Good
Toluene	Aromatic Hydrocarbons	0	Good
1, 1, 1-Trichloroethane	Halogen Compounds	0	Good
Trichloroethylene	Halogen Compounds	0	Good
Triethylamine	Amines	0	Good
Turpentine	Hydrocarbons	0	Good
Water	Misc.	0	Good



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Chemical Compatibility Guide for:
PIG® Multi-Purpose Repair Putty
PIG® Concrete Repair Putty
PIG® Plastic Repair Putty
PIG® Aluminum Repair Putty
PIG® Steel Repair Putty
PIG® Copper Repair Putty
PIG® Wet Surface Repair Putty
PIG® Wood Repair Putty
PIG® Repair Putty Variety Pack

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Chemical	Rating
Acetaldehyde	A
Acetamide	A
Acetate Solvent	A
Acetic Acid, Glacial	B-1
Acetic Acid (20%)	A
Acetic Acid (80%)	C
Acetic Acid	C
Acetic Anhydride	A
Acetone	D
Acetyl Chloride (Dry)	A
Acetylene	A
Acrylonitrile	A
Alcohols	
Amyl	D
Benzyl	A-1
Butyl	A
Diacetone	A
Ethyl	A-2
Hexyl	A
Isobutyl	A
Isopropyle	A
Methyl	B-1
Octyl	A
Propyl	A
Aluminum Chloride (20%)	A-1
Aluminum Chloride	A-1
Aluminum Fluoride	B-1
Aluminum Hydroxide	B-1
Aluminum Potassium Sulfate (10%)	A-1
Aluminum Potassium Sulfate (100%)	A-1
Aluminum Sulfate	A-1
Amines	A-1
Ammonia (10%)	A-1

Chemical	Rating
Ammonia, Anhydrous	A
Ammonia, Liquid	A-1
Ammonia, Nitrate	A
Ammonium Bifluoride	A-1
Ammonium Carbonate	A-1
Ammonium Caseinate	A
Ammonium Chloride	A-1
Ammonium Hydroxide	A-1
Ammonium Nitrate	A-1
Ammonium Oxalate	A
Ammonium Persulfate	A-1
Ammonium Phosphate, Dibasic	A-1
Ammonium Phosphate, Monobasic	A
Ammonium Phosphate, Tribasic	A
Ammonium Sulfate	A-1
Ammonium Thiosulfate	A
Amyl Acetate	A-1
Amyl Alcohol	D
Amyl Chloride	A-1
Aniline	C-1
Anti-Freeze	A
Aqua Regia (80% HCl, 20% HNO3)	D
Arochlor 1248	A-1
Aromatic Hydrocarbons	A
Arsenic Acid	A-1
Asphalt	A
Barium Carbonate	A-1
Barium Chloride	A-1
Barium Cyanide	A
Barium Hydroxide	A-1
Barium Nitrate	A-1
Barium Sulfate	C-1
Barium Sulfide	B-1
Beer	A-1
Beet Sugar Liquids	A-1
Benzaldehyde	A-1
Benzoic Acid	A-1
Benzol	A-1
Borax (Sodium Borate)	A-1
Boric Acid	A-1
Brewery Slop	A
Bromine	D
Butadiene	A-1
Butane	A-1
Butanol (Butyl Alcohol)	D
Butter	A
Buttermilk	A-1
Butylene	A-1
Butylacetate	B-1
Butaric Acid	C-1
Calcium Bisulfate	A
Calcium Bisulfide	A
Calcium Bisulfite	A-1
Calcium Carbonate	A-1
Calcium Chloride	A-1
Calcium Hydroxide	A-1
Calcium Hypochlorite	A-1

Chemical	Rating
Calcium Sulfate	A-1
Calgon	A
Cane Juice	A
Carbolic Acid (see Phenol)	C-1
Carbon Bisulfide	A
Carbon Dioxide	A-1
Carbon Dioxide (Dry)	A-1
Carbon Dioxide (Wet)	A-1
Carbon Disulfide	C-1
Carbon Monoxide	A-1
Carbon Tetrachloride	A-1
Carbonated Water	A
Carbonic Acid	B-1
Catsup	A
Chloroacetic Acid	C-1
Chlorinated Glue	A
Chlorine, Anhydrous Liquid	C-1
Chlorine Water	A-1
Chlorobenzene (Mono)	C-1
Chloroform	C-1
Chlorosulfonic Acid	C-1
Chocolate Syrup	A
Chromic Acid (5%)	B-1
Chromic Acid (10%)	C-1
Chromic Acid (30%)	C-1
Chromic Acid (50%)	D
Cider	A
Citric Acid	A-1
Citric Oils	A
Chlorox (Bleach)	A
Coffee	A
Copper Chloride	A
Copper Cyanide	B-1
Copper Fluoborate	A
Copper Nitrate	A-1
Copper Sulfate (5%)	A-1
Copper Sulfate (5%)	A-1
Cream	A
Cresols	A-1
Cresylic Acid	A-1
Cyanic Acid	A-1
Cyclohexane	A-1
Detergents	A-1
Dichlorethane	B-2
Diesel Fuel	A-1
Diethylamine	A
Diethylene Glycol	C
Diphenyl Oxide	A
Dyes	A
Epsom Salts (Magnesium Sulfate)	A
Ethane	A-1
Ethanolamine	A-1
Ether	A-1
Ethyl Acetate	C-1
Ethyl Chloride	A-1
Ethyl Sulfate	A-1
Ethylene Chloride	B-1

Chemical	Rating
Ethylene Dichloride	C-1
Ethylene Glycol	C
Ethylene Oxide	A-1
Fatty Acids	A-1
Ferric Chloride	A-1
Ferric Nitrate	A-1
Ferric Sulfate	A-1
Ferrous Chloride	A-1
Ferrous Sulfate	A-1
Fluoboric Acid	A
Fluorine	D
Fluosilicic Acid	C
Formaldehyde (40%)	A-1
Formaldehyde (100%)	A
Formic Acid	C-1
Freon 11	A
Freon 12	A
Freon 22	A
Freon 113	A
Freon TF	A
Fruit Juice	A
Fuel Oils	A-1
Furan Resin	A-1
Furfural	A-1
Gasoline	A
Gelatin	B
Glucose	B
Glue, P.V.A.	A
Glycerin	A
Glycolic Acid	A
Gold Monocyanide	A
Grape Juice	A
Grease	A
Heptane	A
Hexane	B
Honey	A
Hydraulic Oil (Petrol)	A
Hydraulic Oil (Synthetic)	A
Hydrazine	A
Hydrobromic Acid (20%)	B-1
Hydrobromic Acid (100%)	D
Hydrochloric Acid, Dry Gas	A
Hydrochloric Acid (20%)	A-1
Hydrochloric Acid (37%)	A
Hydrocyanic Acid	A
Hydrofluoric Acid (20%)	A
Hydrofluoric Acid (50%)	C-2
Hydrofluoric Acid (75%)	B-1
Hydrofluosilicic Acid (20%)	C-1
Hydrofluosilicic Acid (100%)	C-1
Hydrogen Peroxide (10%)	C-1
Hydrogen Peroxide (30%)	B
Hydrogen Peroxide (100%)	A
Hydrogen Sulfide (Aqua)	A
Hydrogen Sulfide (Dry)	A
Hydroxy Acetic Acid (70%)	A
Ink	A

Chemical	Rating
Iodine	C
Isotane	A
Isopropyl Acetate	A
Isopropylether	D
Jet Fuel (JP-3, 4,5)	A
Kerosene	A
Ketones	C
Lacquers	A
Lacquer Thinners	A
Lactic Acid	B-1
Lard	B
Latex	A
Lead Acetate	A
Lead Sulfamate	A
Ligroin	A
Lime	A
Lubricants	A
Magnesium Carbonate	A
Magnesium Chloride	A
Magnesium Hydroxide	A
Magnesium Nitrate	A
Magnesium Oxide	A
Magnesium Sulfate	A
Maleic Acid	A
Maleic Anhydride	A
Mash	A
Mayonnaise	A
Melamine	A
Mercuric Chloride (Dilute)	A
Mercuric Cyanide	A
Mercury	A
Methanol (Methyl Alcohol)	B-1
Methyl Acetate	D
Methyl Acrylate	A
Methyl Acetone	C
Methyl Alcohol (10%)	B-1
Methyl Bromide	B
Methyl Butyl Ketone	C
Methyl Cellosolve	C
Methyl Chloride	A
Methyl Dichloride	A
Methyl Ethyl Ketone	C-1
Methyl Isobutyl Ketone	C
Methyl Isopropyl Ketone	C
Methyl Methacrylate	A
Methylamine	A
Methylene Chloride	A
Milk	A
Molasses	A
Mustard	A
Naphtha	A
Naphthalene	A
Nickel Chloride	A
Nickel Sulfate	A
Nitrating Acid (.15% H2SO4	D
Nitric Acid (5-10%)	A-1
Nitric Acid (20%)	B-1

Chemical	Rating
Nitric Acid (50%)	D
Nitric Acid (Concentrated)	D
Nitrobenzene	C-1
Oils:	
Aniline	A
Anise	A
Bay	A
Bone	A
Castor	A
Oils cont.:	
Cinnamon	A
Citric	A
Clove	A
Coconut	A
Cod Liver	A
Corn	A
Cotton Seed	A-1
Creosote	A-1
Diesel Fuel (20, 30, 40, 50)	A-1
Fuel (1, 2, 3, 5A, 5B,6)	A-1
Ginger	A
Hydraulic	A
Lemon	A
Linseed	A
Mineral	A
Olive	A
Orange	A
Palm	A
Peanut	A
Peppermint	A
Pine	A
Rapeseed	A
Rosin	A
Sesame Seed	A
Silicone	A
Soybean	A
Sperm	A
Tanning	A
Turbine	A
Oleic Acid	A
Oleum (25%)	D
Oleum (100%)	D
Oxalic Acid (Cold)	A
Paraffin	A
Pentane	A
Perchloroethylene	D
Petrolatum	A
Phenol (10%)	C
Phenol (Carbolic Acid)	C
Phosphoric Acid (<40%)	A
Phosphoric Acid (40%)	B
Phosphoric Acid (Crude)	B
Photographic Developer	A
Picric Acid	A
Plating Solutions:	
Antimony Plating 130° F	B
Arsenic Plating 110° F	B

Chemical	Rating
Brass Plating:	
CU-CD Bronze Bath R.T.	B
CU-SN Bronze Bath 160° F	C
CU-ZN Bronze Bath 100° F	B
Cadmium Plating:	
Cyanide Bath 90° F	B
Fluoborate Bath 100° F	B
Chromium Plating:	
Chromic-Sulfuric Bath 130° F	C
Fluosilicate Bath 95° F	C
Fluoride Bath 130° F	C
Black Chrome Bath 115° F	C
Barrel Chrome Bath 95° F	C
Copper Plating (Cyanide):	
Copper Strike Bath 120° F	B
Rochelle Salt Bath 150° F	C
High Speed Bath 180° F	C
Copper Plating (Acid):	
Copper Sulfate Bath R.T.	D
Copper Fluoborate Bath 120° F	D
Copper Plating (Misc.)	
Copper Pyrophosphate	B
Gold Plating:	
Cyanide 150° F	D
Neutral 75° F	A
Acid 75° F	A
Indium Sulfamate Plating R.T.	A
Iron Plating:	
Ferrous Chloride Bath 190° F	D
Ferrous Sulfate Bath 150° F	D
Ferrous AM Sulfate Bath 150° F	D
Sulfate Chloride Bath 160° F	D
Fluoborate Bath 145° F	D
Sulfamate 140° F	A
Lead Fluoborate Plating	A
Nickel Plating:	
Watts Type 115 - 160° F	D
High Chloride Bath 130 - 160° F	D
Nickel Plating cont.:	
Fluoborate 100 - 170° F	A
Sulfamate 100 - 140° F	A
Electroless 200° F	B
Rhodium Plating 120° F	A
Silver Plating 80 - 120° F	A
Tin-Fluoborate Plating 100° F	A
Tin-Lead Plating 100° F	A
Zinc Plating:	
Acid Chloride 140° F	A
Acid Sulfate Bath 150° F	D
Acid Fluoborate Bath R.T. 75° F	A
Alkaline Cyanide Bath R.T.	A
Potash	A
Potassium Bicarbonate	A
Potassium Bromide	A
Potassium Carbonate	A
Potassium Chlorate	A
Potassium Chloride	A

Chemical	Rating
Potassium Chromate	C
Potassium Cyanide Solutions	A
Potassium Dichromate	C
Potassium Ferrocyanide	A
Potassium Hydroxide (Caustic Potash)	A
Potassium Nitrate	A
Potassium Permanganate	A
Potassium Sulfate	A
Propane (Liquified)	A
Propylene Glycol	C
Pyridine	A
Pyrogallic Acid	A
Rosins	A
Rum	A
Rust Inhibitors	A
Salad Dressings	A
Sea Water	A
Shellac (Bleached)	A
Shellac (Orange)	A
Silicone	A
Silver Bromide	A
Silver Nitrate	A
Soap Solutions	A
Soda Ash	C-1
Sodium Acetate	A
Sodium Aluminate	A
Sodium Bicarbonate	A
Sodium Bisulfate	A
Sodium Bisulfite	A
Sodium Borate	A
Sodium Carbonate	C-1
Sodium Chlorate	A
Sodium Chloride	A
Sodium Chromate	C
Sodium Cyanide	A
Sodium Fluoride	A
Sodium Hydroxide (20%)	A-2
Sodium Hydroxide (50%)	B-2
Sodium Hydroxide (80%)	A-1
Sodium Hypochlorite (<20%)	C
Sodium Hypochlorite (100%)	D
Sodium Hyposulfate	C
Sodium Metaphosphate	A
Sodium Metasilicate	A
Sodium Nitrate	A
Sodium Perborate	B
Sodium Peroxide	C
Sodium Polyphosphate	A
Sodium Silicate	A
Sodium Sulfate	A
Sodium Sulfide	A
Sodium Sulfite	A
Sodium Tetraborate	A
Sodium Thiosulfate (Hypo)	A
Sorghum	A
Soy Sauce	A
Stannic Chloride	A

Chemical	Rating
Stannic Fluoborate	A
Stannous Chloride	A
Starch	A
Stearic Acid	B
Stoddard Solvent	A
Styrene	A
Sugar (Liquids)	A
Sulfate (Liquors)	A
Sulfur Chloride	C
Sulfur Dioxide	A-1
Sulfur Dioxide (Dry)	A-1
Sulfur Trioxide (Dry)	A
Sulfuric Acid (<10%)	A-1
Sulfuric Acid (10 - 75%)	A-1
Sulfuric Acid (75 - 100%)	C-1
Sulfuric Acid (Hot Conc.)	D
Sulfuric Acid (Cold Conc.)	D
Sulfurous Acid	A
Sulfuryl Chloride	A
Tallow	A
Tannic Acid	A
Tanning Liquors	A
Tartaric Acid	A
Tetrachloroethane	A
Tetrahydrofuran	A
Toluene (Toluol)	B-1
Tomato Juice	A
Trichloroethane	A
Trichloroethylene	C-1
Trichloropropane	A
Tricresylphosphate	A
Triethylamine	A
Turpentine	B
Urine	A
Varnish	A
Vegetable Juice	A
Vinegar	A
Water, Acid, Mine	A
Water, Distilled	A
Water, Fresh	A
Water, Salt	A
Weed Killers	A
Whey	A
Whiskey and Wines	B
White Liquor (Pulp Mill)	A
White Water (Paper Mill)	A
Xylene	A
Zinc Chloride	A
Zinc Hydrosulfite	A
Zinc Sulfate	A

KEY:

A = Fluid has little or no effect on the material; excellent for use

B = Fluid has minor effect to material; good for use

C = Fluid has moderate effect; fair to use

D = Fluid has severe effect; not recommended to use

EXPLANATION OF FOOTNOTES:

1. Satisfactory to 72° F

2. Satisfactory to 120° F

For additional assistance, please contact New Pig Technical Services at 1-800-HOT-HOGS® (468-4647).

100% Money-Back Guarantee

If you're not happy with a product, for any reason, we'll refund every penny of your purchase price. That means we'll refund all sales taxes, shipping costs, and any other incidentals - without tacking on a restocking fee or any other surprise charges. You get ALL your money back. Period.

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