

# Chemical Compatibility Guide

## Guide Applicable to the Following:

PIG Overpack Salvage Drums, PIG Wheeled Overpack Salvage Drums, PIG Spill Kits in Overpack Salvage Drums, PIG Spill Kits in Wheeled Overpack Salvage Drums, PIG Spill Containment Pallets & Decks, PIG Rolltops & Covered Spill Containment Pallets, PIG Tank Spill Containment Units, PIG IBC & Tank Spill Containment Units, PIG Single Drum Containers, Tank Containment Trays, PIG Utility Spill Containment Trays, PIG Poly Funnels

## Guide Information:

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.

This listing was prepared to provide guidance to the chemical compatibility of New Pig Corporation containment pallets and decks, containers and other polyethylene products.

## Ratings / Key or Ratings – Chemical Effect

**L (Long-term storage):** No visible degradation to material

**S (Short-term storage):** Moderate degradation to material

**N (Not recommended):** Significant degradation to material

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	Rating
Acetaldehyde (40%)	L
Acetamide	L
Acetic Acid (50%)	L
Acetic Acid Anhydride	S
Acetic Ether	S
Acetone	L
Acetylene Tetrabromide	S
Acrylic Emulsions	S
Acrylonitrile	L
Adipic Acid	L
Aliphatic Hydrocarbons (Hexane, Octane, Hexene, Octene, etc.)	L
Alkaline	L
Allyl Alcohol (96%)	L
Alum (Aqueous Solutions)	L
Aluminum Chloride (20%)	L
Aluminum Fluoride	L
Aluminum Hydrogen Solution (10%)	L
Aluminum Hydroxide	L
Alums (All types)	L
Ammonia (Anhydrous)	L

Chemical Name	Rating
Ammonia (Aqueous)	L
Ammonia (100% dry gas)	L
Ammonium Salts	L
Ammonium Acetate	L
Ammonium Bifluoride	L
Ammonium Carbonate (50%)	L
Ammonium Chloride	L
Ammonium Hydrogen Fluoride (50%)	L
Ammonium Hydroxide	L
Ammonium Metaphosphate Sat'd	L
Ammonium Nitrate (10%)	L
Ammonium Nitrate Sat'd	L
Ammonium Persulfate Sat'd	L
Ammonium Phosphate	L
Ammonium Sulfate (10%)	L
Ammonium Sulfate Sat'd	L
Ammonium Sulfide Sat'd	L
Ammonium Thiocyanate Sat'd	L
Amyl Acetate	L
Amyl Alcohol (100%)	L

Chemical Name	Rating
Amyl Chloride	N
Aniline (100%)	S
Aniline Hydrochloride	S
Animal Fats	L
Anti-Freeze	L
Antimony Salts	L
Antimony Trichloride (90%)	L
Aqua Regia	N
Aqueous Salt Solutions (NaCl)	L
Aqueous Alkalies (NaOH)	L
Arsenic Acid	L
Arsenic Salts	L
Barium Salts	L
Barium Carbonate	L
Barium Chloride	L
Barium Cyanide	L
Barium Sulfide	L
Battery Fluid, Acid	S
Beef Tallow Emulsion, Sulfonated	L
Beer	L
Benzaldehyde	L
Benzene	L
Benzene Sulfonic Acid	S
Benzoic Acid	L
Benzyl Alcohol	L
Benzyl Chloroformate	L
Bismuth Salts	L
Bleach Lye (10%)	S
Black Liquor	L
Borax Cold Sat'd	L
Boric Acid Dilute	L
Boric Acid Conc.	L
Bromine, Liquid	N
Bromine, Water	N
Bromobenzene	N
Bromoform	N
Butadiene	L
Butane	L
Butanediol (100%)	L
Butanol	L
Butyl Acetate	L
Butyl Alcohol (100%)	L
Butylene	N
Butylene Glycol	L

Chemical Name	Rating
Butylene Liquid	N
Butyl Phenol	N
Butyric Acid	L
Calcium Carbonate	L
Calcium Chloride	L
Calcium Hydroxide	L
Calcium Hypochlorite	L
Calcium Nitrate (50%)	L
Calcium Sulfate	L
Camphor Oil	N
Carbon Bisulfide	N
Carbon Disulfide	N
Carbonic Acid (AQ. CO2)	L
Carbon Monoxide	L
Carbon Tetrachloride	N
Castor Oil Conc.	L
Caustic (Aqueous)	L
Caustic Potash Sol. (50%)	L
Caustic Soda Sol. (10%)	L
Chloral Hydrate	L
Chloroethanol	L
Chloric Acid (10%)	L
Chloracetic Acid	L
Chlorobenzene	S
Chloroform	N
Chloromethane	N
Chlorosulfonic Acid (100%)	N
Chrome Alum Sat'd	L
Chromic Acid (50%)	S
Cider	L
Citric Acid (All Concentrations)	L
Clorox Bleach	L
Coconut Oil Alcohols	L
Cola Concentrates	L
Compressed Air Conditioning Oil	L
Copper Salts	L
Copper Cyanide	L
Copper Nitrate	L
Copper Sulfate	L
Corn Oil	L
Cottonseed Oil	L
Cresol (90%)	L
Cresylic Acid	L
Crotonic Aldehyde	L

Chemical Name	Rating
Cuprous Chloride Sat'd	L
Cyclohexane	L
Cyclohexanol	L
Cyclohexanone	S
Detergents, General	L
Developers, Photographic	L
Dextrin Sat'd	L
Dextrose Sat'd	L
Diazo Salts	L
Dibutyl Ether	N
Dibutyl Phthalate	S
Dibutyl Sebacate	S
Dichloroacetic Acid	S
Dichloroacetic Acid, Methyl Ester	L
Dichlorobenzene, Liquid	N
Dichloroethylene	N
Diesel Fuel	S
Diesel Oil	S
Diethylene Glycol	L
Diethanolamine	S
Diethyl Carbonate	L
Diglycolic Acid (30%)	L
Di-Isobutyl Ketone	S
Dimethylamine	S
Dimethyl Formamide	S
Dinonyl Phthalate	N
Diocetyl Phthalate	N
Dioxane	L
Diphenyl Oxide	N
Disodium Phosphate	L
Electrolyte	L
Emulsions, Photographic	L
Ethanol	L
Ether	N
Ethyl Acetate (100%)	S
Ethyl Alcohol	L
Ethyl Butyrate	S
Ethyl Chloride	N
Ethyl Ether	N
Ethylene Chloride	N
Ethylene Chlorohydrin	L
Ethylene Diamine	L
Ethylene Dichloride	N
Ethylene Glycol	L

Chemical Name	Rating
Ethylene Oxide	N
Fatty Acids	L
Fatty Alcohol Sulfonate	L
Ferric Salts	L
Ferric Sulfate	L
Ferrous Salts	L
Ferrous Sulfate	L
Fertilizer Salts	L
Fish Solubles	L
Fluoboric Acid	L
Fluosilicic Acid (All concentrations)	L
Formaldehyde (40%)	L
Formamide	L
Formic Acid (All concentrations)	L
Fruit Pulp	L
Fuel Oil	L
Furfural (100%)	L
Furfuryl Alcohol	N
Gallic Acid Sat'd	L
Gasoline	L
Gasohol	L
Gelatine	L
Gin	L
Gluconic Acid (All concentrations)	L
Glucose	L
Glycerine	L
Glycol	L
Glycol Ethers	L
Glycolic Acid (All conc.)	L
Grape Sugar Sat'd Aq.	L
Heptane	L
Hexane	L
Hexanol Tert	L
Hydrazine (35%)	L
Hydrazine Hydrate	L
Hydrazine Hydrochloride	L
Hydrosulfite (10%)	L
Hydroxylamine Sulfate	L
Hydriodic Acid (All conc.)	L
Hydrobromic Acid (50%)	L
Hydrocyanic Acid Sat'd	L
Hydrochloric Acid (All conc.)	L
Hydrofluoric Acid (All conc.)	L
Hydrofluorosilicic Acid (All conc.)	L

Chemical Name	Rating
Hydrogen Bromide (10%)	L
Hydrogen Peroxide (90%)	L
Hydrogen Phosphide (100%)	L
Hydroquinone	L
Hydrogen Sulfide	L
Hypochlorous Acid	L
Inks	L
Iodine (Alc. Sol.) Conc.	L
Iron Salts	L
Iso-Octane	S
Isopropyle Acetate	L
Isopropyl Alcohol	L
Isopropyl Ether	N
Jet Fuel	S
Kerosene	S
Lactic Acid (All concentrations)	L
Lanolin	L
Latex	L
Lead Salts	L
Lead Acetate Sat'd	L
Lime	L
Linseed Oil	L
Lithium Salts	L
Lube Oil	L
Magnesium Salts	L
Magnesium Carbonate	L
Magnesium Hydroxide	L
Magnesium Nitrate	L
Magnesium Oxide	L
Magnesium Sulfate	L
Maleic Acid	L
Malic Acid (1%)	L
Mercuric Salts	L
Mercurous Salts	L
Mercury	L
Methanol	L
Methyl Acetate	L
Methyl Alcohol (100%)	L
Methyl Amine (32%)	L
Methyl Bromide	N
Methyl Chloride	N
Methylene Chloride	N
Methyl Ethyl Ketone	S
Methyl Isobutyl Ketone	S

Chemical Name	Rating
Methyl Isopropyl Ketone	S
Methyl Sulfate	L
Methyl Sulfuric Acid (All conc.)	L
Milk	L
Mineral Oils	L
Molasses	L
Monochloroacetic Acid Ethyl Ester	L
Monochloroacetic Acid Methyl Ester	L
Morpholin	L
Mowilith D	L
Naphtha	S
Napthalene	S
Nickel Salts	L
Nicotine Dilute	L
Nicotinic Acid	L
Nitric Acid <50%	L
Nitrobenzene	S
Nitrotoluene	S
Octyl Cresol	L
Oils and Fats	L
Oleic Acid (All concentrations)	L
Oleum Conc.	N
Olive Oil	L
Orange Extract	L
Oxalic Acid (All concentrations)	L
Palmitic Acid	N
Palm Oil	S
Paraffin Emulsions	L
Paraffin Oil	L
Perchloric Acid (50%)	L
Perchloroethylene	N
Petroleum	L
Petroleum Ether	S
Phenol (10%)	S
Phenylhydrazine	N
Phosphoric Acid (All conc.)	L
Phosphorous Chlorides	S
Phosphorous (Yellow 100%)	L
Phosphorous Pentoxide	L
Photographic Solutions	L
Phthalic Acid (All concentrations)	L
Phthalic Anhydride	L
Pickling Baths	
Sulfuric Acid	L

Chemical Name	Rating
Hydrochloric Acid	L
Picric Acid (1%)	L
Plating Solutions	
Brass	
Cadmium	L
Copper	L
Gold	L
Indium	L
Lead	L
Nickel	L
Rhodium	L
Silver	L
Tin	L
Potassium / Aluminum Sulfates (50%)	L
Potassium Bichromate	L
Potassium Borate (10%)	L
Potassium Bromide	L
Potassium Chlorate	L
Potassium Chloride	L
Potassium Chromate	L
Potassium Cyanide	L
Potassium Dichromate (40%)	L
Potassium Ferri / Ferro Cyanide Sat'd	L
Potassium Fluoride	L
Potassium Hydroxide	L
Potassium Iodide	L
Potassium Nitrate Sat'd	L
Potassium Perborate Sat'd	L
Potassium Perchlorate	L
Potassium Permanganate	L
Potassium Persulfate Sat'd	L
Potassium Phosphates	L
Potassium Sulfate	L
Propanol	L
Propionic Acid (50%)	L
Propyl Alcohol	L
Propylene Dichloride (100%)	L
Propylene Glycol	L
Propylene Oxide	L
Pyridine	S
Rayon Coagulation Salts	L
Rust Inhibitors	L
Sea Water	L
Selenic Acid	L

Chemical Name	Rating
Sewage	L
Shortening	L
Silicic Acid	L
Silicone Oil	L
Silver Salts	L
Silver Nitrate	L
Soda Solution (All concentrations)	L
Soda Ash	L
Sodium Salts	L
Sodium Acetate Sat'd	L
Sodium Acrylates	L
Sodium Benzoate	L
Sodium Bicarbonate	L
Sodium Bisulfate (10%)	L
Sodium Bisulfite	L
Sodium Bromate	S
Sodium Bromide	L
Sodium Bromide Dilute Solution	L
Sodium Carbonate	L
Sodium Chlorate	L
Sodium Chloride	L
Sodium Chlorite	L
Sodium Chromate	L
Sodium Disulfite	L
Sodium Dithionite (10%)	L
Sodium Ferricyanide	L
Sodium Ferrocyanide Sat'd	L
Sodium Fluoride Sat'd	L
Sodium Hydroxide Conc.	L
Sodium Hypochlorite	L
Sodium Iodine	L
Sodium Nitrate	L
Sodium Oxalate	L
Sodium Persulfate	L
Sodium Phosphate	L
Sodium Silicate	L
Sodium Sulfate	L
Sodium Sulfide	L
Sodium Sulfite	L
Sodium Sulfonates	L
Sodium Thiosulfate	L
Spindle Oil	N
Stannic Salts	L
Stannous Salts	L

Chemical Name	Rating
Starch Solution Sat'd	L
Stearic Acid (All concentrations)	L
Succinic Acid	L
Sugar Solutions	
Glucose	L
Lactose	L
Sucrose, Etc.	L
Sulfur	L
Sulfuric Acid (98%)	S
Sulfuric Acid, Fuming	N
Sulfurous Acid	L
Sulfuryl Chloride	N
Tallow	L
Tannic Acid	L
Tanning Extracts	L
Tartaric Acid Sat'd	L
Tetrachloroethane	N
Tetrachloroethylene	N
Tetraethyl Lead	L
Tetrahydrofurane	N
Tetrahydronaphthalene	N
Thionyl Chloride	N
Tin Salts	L
Titanium Salts	S
Toluene	S

Chemical Name	Rating
Toluene Sulfonic Acid (All conc.)	S
Transformer Oil	L
Tributylphosphate	L
Trichloroacetic Acid	S
Trichloroethane	N
Trichloroethylene	N
Tricresyl Phosphate	L
Triethanolamine	L
Trioctyl Phosphate	N
Trisodium Phosphate Sat'd	L
Turpentine Oil	N
Urea	L
Urine	L
Vegetable Oils	L
Vinegar	L
Vanilla Extract	L
Wax Alcohol	N
Wetting Agents	L
Whiskey	L
White Acid (75%)	L
Wine	L
Xylene	N
Yeast	L
Zinc Salts	L
Zinc Sulfate	L