

Chemical Compatibility Guide for: Hazardous Chemical Absorbents

Guide Applicable to the Following:
Absorbent Pads Item# 994-731

Guide Information:

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

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, Radiation Products Design 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 Radiation Products Design.

| Chemical Name | Chemical Class | Visible Degradation (0-2) | Rating |
|-----------------------|-------------------------------|---------------------------|--------|
| Acetic Acid, Glacial | Organic Acid | 0 | Good |
| Acetic Acid | Organic Acid | 0 | Good |
| Acetone | Ketones | 0 | Good |
| Acetonitrile | Nitriles | 0 | Good |
| Aluminum Salts | Aluminum Compounds Hydroxylic | 0 | Good |
| Ammonium Fluoride | Halide Compound | 0 | Good |
| Ammonium Hydroxide | Inorganic Base | 0 | Good |
| Aqueous Ammonia (29%) | Ammonia Compound | 0 | Good |
| Barium Salts | Barium Compounds | 0 | Good |
| Benzyl Alcohol | Hydroxyl Compounds | 0 | Good |
| Boric Acid | Inorganic Acid | 0 | Good |
| Butanol | Hydroxyl Compounds | 0 | Good |
| Butyl Acetate | Carboxylic Ester | 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 |



| Chemical Name | Chemical Class | Visible Degradation (0-2) | Rating |
|---------------------------|--------------------------------|---------------------------|--------|
| Dimethylformamide | Amides | 0 | Good |
| Ethanol | Hydroxylic Compound | 0 | Good |
| Ethyl Acetate | Carboxylic Compound | 0 | Good |
| 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 |
| Hydrogen Peroxide (50%) | Peroxides | 0 | Good |
| Hydrofluoric Acid (48%) | Inorganic Acids | 0 | Good |
| Isopentyl Acetate | Carboxylic Ester | 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 |
| Methyl Isobutyl Ketone | Ketones | 0 | Good |
| Mineral Oil | Alicyclic Hydrocarbons | 0 | Good |
| Mineral Spirits | Hydrocarbons | 0 | Good |
| Naphtha | Hydrocarbons | 0 | Good |
| Nitric Acid (70%) | Inorganic Acids | 0 | Good |
| Nitric Acid (fuming, 90%) | Inorganic Acids | 0 | Good |
| Nitrobenzene | Nitro Compounds | 0 | Good |
| Perchloroethylene | Halogen Compounds | 0 | Good |
| Phenol | Hydroxylic Compounds (Phenols) | 0 | Good |
| Phosphoric Acid (86.7%) | Inorganic Acids | 0 | Good |
| Potassium Hydroxide 50% | Inorganic Bases | 0 | Good** |
| Propylene Glycol | Hydroxylic Compounds | 0 | Good |
| Sodium Hydroxide (30%) | Inorganic Bases | 0 | Good |
| Sodium Hydroxide (40%) | Inorganic Bases | 0 | Good* |
| Sodium Hydroxide (50%) | Inorganic Bases | 0 | Good** |
| Sodium Hypochlorite | 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 | Miscellaneous | 0 | Good |
| Xylene | Aromatic Hydrocarbon | 0 | Good |



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