

Polyreact™

Technical Data Sheet

PROPERTIES

- Polyreact™ neutralizes Sulfuric, Hydrochloric, Nitric, and Phosphoric acid.
- Through Workers First's reactivation process, Polyreact™ can be used over and over again, and regenerate its neutralizing ability after each use up to 10x.
- This product is a filter media that can be used to neutralized acids from harmful waste streams.
- Serves PPE, Acid Filtration, and Spill Cleanup markets.
- Polyreact™ can neutralize gallons of acid over periods of time, as low as pH 0.8.
- Has a high melting point of approximately 200 °C.
- This product can be further processed into PPE.

MATERIAL FORM



APPLICATION METHODS

Polyreact™ pellets are used in contact with wastes similar to a packed column to remove acid waste.

COMPETITION COMPARISON

Materials	Polyreact™	Butyl Rubber (used in acid-resistant floor mats)	Phenolic Epoxy	PVC	Baking Soda & Soda Ash
Acid Resistant	✓	✓	✓	✓	
Multiple Use	✓	✓	✓		
Acid Neutralizing	✓				✓
Threat Eliminated	✓				
No Hazardous Waste Created	✓				
Level of Danger	Low	High	High	Extreme	Low

Extreme:

Immediate action needed to prevent injury.

High:

Proceed with extreme caution. Injury is not immediate, but threat still exists. Direct action is needed.

Low:

Threat is eliminated. Proceed with caution and remove used-up PPE.