

## RADEX<sup>®</sup> Sb – 1000 (GX194)

Graver Technologies' unique specialty adsorbent granular media, **Radex Sb-1000** utilizes a patented material for the treatment of nuclear liquid radwaste. It is uniquely designed to reduce the activity level of radioactive species and is especially effective for the reduction of Antimony-125 (<sup>125</sup>Sb). The SB-1000 can also be useful for other heavy metal species, such as copper, zinc, and selenium.

The Radex Sb-1000 adsorbent media is loaded to form a layer on top of a radwaste treatment system mixed bed. This typical mixed bed is comprised of a gel type strong acid cation resin and high capacity gel-type anion resin in a chemically equivalent blend.

| TYPICAL PROPERTIES |   |
|--------------------|---|
| Media Type         | Specially processed titanium functional media |
| Appearance         | White to tan granular media                   |
| Moisture           | ~ 45 - 55%                                    |
| Particle Size      | 16 - 60 mesh                                  |
| Surface Area       | 200 – 240 m <sup>2</sup> /dry gram            |
| Pore Volume        | 0.34 – 0.44 cc/dry gram                       |
| Packaging Weight   | 52 lbs/ft <sup>3</sup>                        |



### Radex Sb-1000, for your liquid Radwaste treatment system

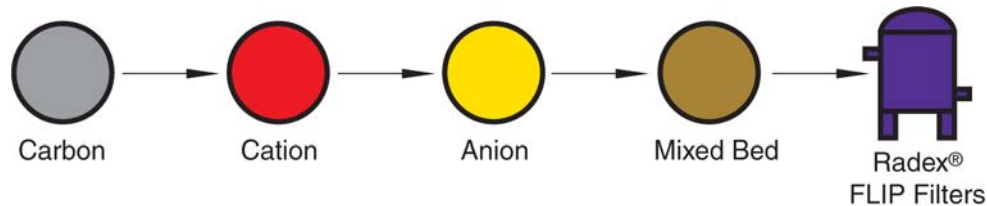
- Premium grade, specially processed, titanium based product
- High capacity for antimony and other heavy metals
- Apply five or ten cubic foot layer to radwaste mixed bed
- Fast kinetics to work effectively

## Power Generation Systems — The Right Resin Choice



**Radex Sb-1000** is prepared and packaged at Graver Technologies' manufacturing facilities in Newark, NJ. The product is packaged in five-cubic-foot, polyethylene-lined, fiber drums with locking ring tops. The facility is operated under a Nuclear Quality Assurance Program for Nuclear Grade products.

### Typical Liquid Radwaste Treatment System



#### For more information

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