

# BURCO® DEO-46G

## Odor Neutralizer Concentrate

### BENEFITS AND FEATURES

- Permanently eliminates unpleasant organic odors immediately upon contact
- Can be used as a “stand alone” product or can be incorporated into other products
- Neutralizes odors through a covalent bonding mechanism instead of masking odors like fragrances, perfumes, and oils
- Compatible with most fragrances
- Easy to let down with water into a variety of concentrates and “ready-to-use” products. Stable at dilution pH’s of 3 - 9 and at a wide range of concentrations.
- Safe to use in all products including personal care products
- Contains no oxidizers, enzymes, or bacteria
- Alkyl phenol ethoxylate (APE) free

### TYPICAL APPLICATIONS

- Lagoons, retention ponds, waste pits, sewage plants, and landfills
- Carpet, upholstery, and clothing
- Trash cans and dumpsters
- Bathrooms, showers, baths, and spas
- Kitchens
- Cars, trucks, RVs, and boats
- Pet grooming and litter
- Autoclaves
- Footwear
- Hunting and camping gear
- Fire restoration

## TECHNICAL BACKGROUND

Burco DEO-46G is based on zinc ricinoleate. The active ingredients in DEO-46G chemically attach to the functional groups common to most unpleasant odors. These include amine (common to cigarette and cigar smoke and waste lagoons), thio (common to garlic, onions, skunk), and acid (common to human sweat) functional groups. The resulting molecule formed via the chemical bond of the odor's functional group and DEO-46G is odorless.

Most competing technologies involve bonding attachments weaker than covalent bonding (such as ionic bonding and hydrogen bonding) or treat odors by masking them and, as such, are temporary odor control solutions. The use of fragrances is a typical example. Masking the odor with a fragrance is a temporary solution and odor return is common. However, fragrances can be used with DEO-46G to impart a new odor to the treatment area. Carbonylic groups common to most perfumes do not react with DEO-46G.

In order to eliminate the targeted odor, DEO-46G must come into direct contact with the odor molecule. This can occur by introducing the product based on DEO-46G onto the odor generating substance via trigger spray, aerosol, sponge, mop, etc. DEO-46G can be placed onto a solid support, such a clay, but will not eliminate an odor until the odor comes in contact with the solid support. This can occur by a liquid or a vapor being passed through or passed on top of the support.

## TYPICAL PROPERTIES

Appearance at 25°C	Amber liquid
pH (5%)	8.0
Boiling point, °C	>100
Density, lbs/gal	8.8

## AVAILABILITY

Burco DEO-46G is available in bulk, 55 gallon plastic drums (460 lbs), and 5 gallon plastic buckets (40 lbs). DOT classification for DEO-46G is "Non Regulated."