



A Division of Kingscote Chemicals

## ALUMINUM ANODIZING PRODUCTS

### BLACK E-HVL LIQUID

ITEM # 506110

#### TECHNICAL DATA BULLETIN

**Appearance:** Black liquid

**Description:** Bright Dyes® Black E-HVL is a fast striking, easy-to-use liquid dye. It provides excellent resistance to UV light and heat and is suitable for outdoor use. It is capable of dyeing thin coatings, saving time and reducing production costs.

**Specific Gravity:** 1.15 (9.60 lbs/gal)

#### Operating Parameters

Tank:	Polypropylene, plastic, or stainless steel
Water type:	Deionized or reverse osmosis preferred
Concentration:	10 g/L – 20/g/L
Buffering:	Not required
pH:	5.2 – 6.0 (Raise with ammonium hydroxide, lower with acetic acid)
Temperature:	120 – 140° F
Time:	5 – 20 minutes
Other:	Agitation recommended to maintain uniform bath temperature Rinse parts thoroughly before dyeing to avoid drag-in

#### Recommended Sealing Methods

- Bright Dyes® HT-70
- Bright Dyes® MT-90

**Light Fastness:** 8+

#### Storage and Safety

- Store in a cool location in original container; do not allow to freeze
- May cause irritation and some staining if allowed to contact skin. The use of gloves and goggles is recommended when handling this product. Consult the MSDS for more information.

*To our best knowledge, the information and recommendations contained herein are accurate and reliable. However, this information and our recommendations are furnished without warranty, representation, inducement, or license of any kind, including, but not limited to the implied warranties and fitness for a particular use or purpose. Customers are encouraged to conduct their own tests and to read the material safety data sheet carefully before using.*