

## EnSolv<sup>®</sup>-SC Technical Data Sheet

### **DESCRIPTION**

EnSolv-SC is the perfect direct replacement for Trichloroethylene, Perchloroethylene, HCFC-141B, AK-225 and other hazardous and/or flammable solvents typically used as aerosol cleaners. EnSolv-SC is a patented, aerosol solvent blend that is convenient, safe and effective to use and often works as effectively, or better than, hazardous solvent cleaners.

### **MATERIALS COMPATIBILITY**

EnSolv-SC is compatible with all metals, many plastics and many other materials typically encountered in industry. For a full list of compatibility recommendations, refer to the "Materials Compatibility" document available for download at [www.envirotechint.com](http://www.envirotechint.com). Any materials not listed in this document should be tested for compatibility in the conditions of use.

### **HEALTH & SAFETY**

EnSolv-SC is a non-flammable, non-carcinogenic solvent mixture that is safe to use in many applications. Enviro Tech recommends that safe work practices are implemented whenever handling chemicals of any kind to minimize exposure levels and prevent toxic effects. Please refer to the EnSolv-SC Material Safety Data Sheet available for download at [www.envirotechint.com](http://www.envirotechint.com) for more specific information on workplace exposure levels, toxicity and personal safety recommendations.

### **REGULATORY INFORMATION**

EnSolv-SC is classified as non-hazardous for transport by the U.S. DOT. For international shipments, EnSolv-SC is exempt from classification as a flammable material per Special Provision A3 under Sub Section 4.4 in the IATA shipping manual.

The principal component of EnSolv-SC, n-Propyl Bromide, is currently classified as 100% Volatile Organic Compound (VOC). Enviro Tech has petitioned the U.S. EPA for VOC exempt status based on low atmospheric reactivity derived from independent testing. The U.S. EPA has recommended in June 2003 that n-Propyl Bromide be approved under the Significant New Alternatives Policy (SNAP) as a suitable replacement for ozone depleting chemicals. N-Propyl Bromide has been shown to neither deplete the ozone layer nor contribute significantly to global warming.

### **SOLVENT PROPERTIES**

Typical Physical Properties	
Boiling Point (°C / °F)	68.8° / 156°
Specific Gravity @ 75°F (H <sub>2</sub> O=1)	1.32
Flash Point TCC (°C)	None
Base material meets ASTM-D 6368	Yes
Flammability Limits (vol. %) based on n-Propyl Bromide	3.8 - 9.5 %
Vapor Pressure @ 25°C (mm Hg)	130
Vapor Density (Air = 1)	4.2
Evaporation Rate (Butyl Acetate = 1)	4.7
Specific Heat @ 25°C (cal/g)	0.25
Dielectric Strength (AC Volts)	17,500
Appearance	Clear & free of suspended matter

<b>Cleaning, Corrosivity, Residue</b>	
Kauri Butanol Number	130
Corrosion of Metals	Does not corrode carbon steel, copper, stainless steel, aluminum, magnesium or titanium.
Acid Acceptance, as NaOH (wt. % min.)	>0.19
Free Halogen	Passes Test
Non-Volatile Residue (ppm / wt. % max.)	10 / 0.0010
Acidity, as HCL (wt. % max.)	0.0010
Water (wt. % max.)	0.02

**PACKAGING & AVAILABILITY**

EnSolv-SC is available in the following container sizes and weights:

<b>Aerosol Can</b>	<b>12 Ounces</b>
<b>Case of 12 Aerosol Cans</b>	<b>144 Ounces (12 oz. per can)</b>

EnSolv-SC is maintained in inventory and most orders received prior to 12:00 pm CST ship same day. Contact an Enviro Tech representative for pricing, availability and technical questions.

The above represents typical properties of EnSolv-SC Aerosol Cleaning Solvent, but do not represent any other product specification. Other EnSolv products have similar characteristics, but are not necessarily identical to the properties listed above. For specific values and specifications, consult the product's Certificate of Analysis.