

## Crystal Brite EDM® *Semi-Synthetic Dielectric Fluid*

### FEATURES

- Electrode/Sinker-Style EDM Fluid
- For Both Roughing and Finishing
- Colorless
- Odorless
- Very Low Consumption
- Improves Filtration
- Decreases Carbon and Residue
- Non-Toxic
- Non-Hazardous
- No Carcinogens

### GENERAL DESCRIPTION

**Crystal Brite EDM** has been proven successful in both high and low amperage spark erosion processes. Its unique blend of low viscosity ultra-pure hydrocarbons with the latest synthetic technology provides a crystal clear fluid with high oxidation stability and extremely low viscosity. The result is stability under high amperage as well as fast flushing in tight tolerance finishing work.

The combination of low viscosity and low specific gravity produces faster more efficient flushing and filtration resulting in increased metal removal rates by as much as 30%. Filtration is improved due to less carbon and residue formation. The filter lasts longer and particulates are prevented from returning to the electrode work piece interface.

**Crystal Brite EDM** is safe, operator friendly and odorless. It contains no solvent-based hydrocarbons. This helps eliminate skin irritation associated with solvents and reduces oil mist and solvent vapor exposure.

### APPLICATIONS

Primary	Secondary
Electrode / Sinker EDM	Spark erosion

### MATERIALS

Primary
All materials Electrode EDM capable

### INSTRUCTIONS

Crystal Brite EDM is a dielectric fluid intended for Electrode/Sinker Style EDM's. *It is NOT intended for mixing with water.* No preparations needed when filling a new machine. When filling a used machine, start by removing the old fluid, then rinse at least once with Crystal Brite EDM. Always start with fresh filters.

## MAINTENANCE

As with all EDM fluids, Crystal Brite EDM should be filtered regularly to maintain maximum performance. With proper filtration Crystal Brite EDM will last for an indefinite period of time.

## PRODUCT CHARACTERISTICS

<b>Product Name: Crystal Brite EDM</b>	
Form	Liquid
Color	Colorless
Odor	Mild
Specific Gravity	0.77
<b>Viscosity: SUS @ 100°F</b>	<b>32</b>
<b>cSt @ 20°C</b>	<b>3</b>
<b>cSt @ 40°C</b>	<b>2</b>
Flash Point, COC, °F/°C	255 / 124
Fire Point, COC, °F/°C	280 / 138
Pour Point, °F/°C	27 / -3
Solubility in Water	<0.01%
pH @ 10%	NA
Boiling Point °F/°C	437 / 225
Distillation Temperature °F/°C	457 / 236
Aromatic Content (DIN 51378 / UV Vis)	CA 0% m/m
Conductivity (μS)	0.23
Toxicity Classification (Switzerland)	4 (BAGT Nr. 611484)

## WASTE TREATMENT

While Hangsterfer's oils resist contamination and degradation, contamination may enter the system and may require the oil to be disposed. This may change the disposal procedures. Dispose of in accordance with local, state, federal and international laws.

## SHIPPING UNITS

All Hangsterfer's products are available in 5 gallon, 55 gallon, and Intermediate Bulk Containers (275 or 330 gallons). All products are distributed worldwide.

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