

## 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** is 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. As a result, **Crystal Brite EDM** is stable under high amperage as well as fast flushing in tight tolerance finishing work.

The combination of low viscosity and low specific gravity enables faster, more efficient flushing, and reduces over burn. This all results in increased metal removal rates by as much as 30%. Less carbon and residue formation, improves filter life, allowing for better particulate removal by the filters from the fluid.

**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 preparation is 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	0.76 - 0.78
Viscosity: SUS @ 100°F	32 - 36
cSt @ 40°C	2 - 3
Flash Point, COC, °F/°C	255 / 124
Solubility in Water	Insoluble in Water
pH @ 10%	NA
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 pails, drums and Intermediate Bulk Containers (275 gallons). All products are distributed worldwide.

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