

Crystal Brite® EDM

Semi-Synthetic Dielectric Fluid

GENERAL DESCRIPTION

- Electrode/Sinker-Style EDM Fluid
- For Both Roughing and Finishing
- Clear, No Color
- No Odor/No Evaporation
- Non-Flammable
- Improves Filtration
- Decreases Carbon and Residue
- Non-Toxic
- Non-Hazardous to Skin
- No Carcinogens

BENEFITS

Performance – The formulation of **Crystal Brite EDM** has been proven successful in both high and low amperage spark erosion processes. Its unique blend of 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.

Efficiency – **Crystal Brite EDM** possesses one of the lowest viscosities of any dielectric fluid. This combined with the low specific gravity, means faster more efficient flushing and filtration. The result is 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 workpiece interface.

Safety – Additionally, benefits of **Crystal Brite EDM** are realized in its safety and operator friendliness. The fluid is odorless and contains no solvent-based hydrocarbons. This helps eliminate skin irritation associated with solvents and reduces oil mist and solvent vapor exposure.

USE INSTRUCTIONS

Crystal Brite EDM is a dielectric fluid intended for Electrode/Sinker Style EDM's. It is NOT intended for mixing with water.

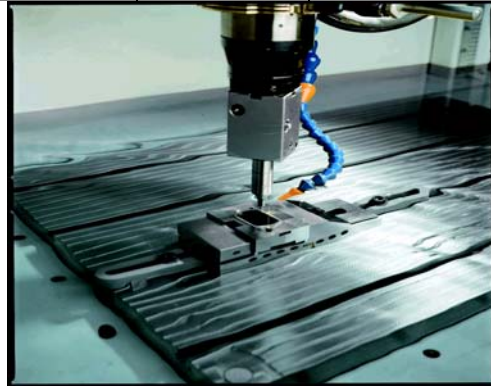
No preparations needed when filling a new machine. When filling a used machine, start by removing the old fluid, then rinse at least once with Crystal Brite EDM. Always start with a fresh filter.

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

Product	Crystal Brite EDM
Form	Liquid
Color	Clear
Odor	None
Specific Gravity	0.77
Viscosity: SUS @ 100°F	33
cSt @ 20°C	3
cSt @ 40°C	2
Flash Point, COC, °F/°C	220 / 104
Fire Point, COC, °F/°C	245 / 118
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
Sulfur, Active	0%
Chlorine	0%
Phosphorus	0%
Solvent Content	0%
Solids Content	0%
Heavy Metals	0%
Silicone	0%
Toxicity Classification (Switzerland)	4 (BAGT Nr. 611484)



TOXICOLOGY

Crystal Brite EDM is FREE of:

- ZINC
- PCB's
- VOC's
- BORON
- NITRITE
- NITRATE
- DIETHANOLAMINE (DEA)
- OZONE DEPLETING CHEMICALS
- MINERAL SPIRITS
- KEROSENE

SHIPPING UNITS

All Hangsterfer's products are available in 5 gallon, 55 gallon and Intermediate Bulk Containers (260 or 330 gallons). All products are distributed worldwide.

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The general description, recommended uses, application data and statements in the product literature are guidelines. Because this product may be used for a variety of applications over which Hangsterfer's Laboratories, Inc. has no control, Hangsterfer's Laboratories, Inc. assumes no liability for incidental, consequential, or direct damages of any kind, regardless of causes, including negligence.