



## **esgeSparc EGR 130** **special multifunctional EDM fluid "high performance"**

### **Description**

**esgeSparc EGR 130** is an innovative hydrocarbon fluid based on a new technology for the spark erosion of diamond tools and / or carbide tools with diamond grinding wheels. **One product for two different manufacturing processes.**

**esgeSparc EGR 130** is a paraffinic base oil, produced in a sophisticated refining process. It is characterized by a narrow boiling range and has a very low content of aromatics.

**esgeSparc EGR 130** is neutral in smell and color; foaming is extremely low.

### **Features and benefits**

Due to its innovative formulation and special additives **esgeSparc EGR 130** has the following advantages:

- Only one product is required for two process technologies on the same machine tool, spark erosion of polycrystalline diamond and abrasive grinding of carbide tools
- low electrode wear on copper as well as graphite electrodes
- very good rinsing properties in the erosion zone
- very good cooling during the grinding process, no odor
- very good lubricating properties during the grinding process
- Enrichment of cobalt ions during carbide processing is prevented
- Best filterability, long economic service life of the filter units are possible
- no risk to health

### **Application**

Ideal for the new multifunction grinding machines

f.e. ANKA, Ewag, Lach Diamant, Vollmer und WALTER Maschinenbau GmbH

Technical Data	Test method	Unit	Values
Density at 15 °C	ASTM D4052	g/ml	0,82
Flash Point (PM) °C	ASTM D93	°C	>150
Viskosity at 40°C	ASTM D 445	cSt	7,9
Initial Boiling Point	ASTM D86	°C	290
Final Boiling Point	ASTM D86	°C	350
Color	ASTM D1500		< 0,5
Odor			odorless

### Safety and storage

The EDM fluid **esgeSparc EGR 130** is not dangerous when used as intended. Nevertheless, it is recommended, that even with a product with such low smoke development, the resulting vapors should be extracted. Store casks under roof, if stored outdoors, keep the barrels lying horizontally, so that the ingress of water can be avoided. Even the smallest amounts permanently change the dielectric strength and the electrical discharge process.

All values given are approximate

This product information represents the product and its applications, but in no case assured properties.