



### Highlights

- Highly tailor-made: select any diamond type, grit size, and concentration
- User-friendly thanks to stabilized formulation
- Environmentally friendly and easy to clean
- Good lubrication
- Tight particle size distribution

Glycol-based diamond suspension

## SPG

SPG suspensions are fully water-soluble but do not dry when exposed to air. This makes SPG a perfect product to replace oil-based polishing fluids. The excellent lubrication properties of SPG allow for high lapping pressures and thus high removal rates. SPG suspensions are ideal for use with metal lapping/polishing plates (steel, copper, tin, composites). Verify compatibility if used with polishing pads.

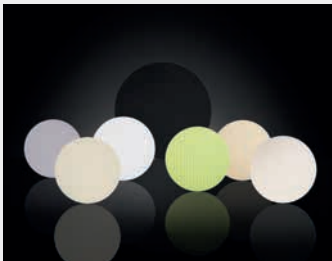
SPG suspensions can be customized to meet specific process performance requirements. To configure the suspension, select the carrier liquid formulation (1), diamond concentration (2), diamond type, and grit size (3).

### 1. Carrier liquid formulation

Type	Viscosity	pH	Density [g/cm <sup>3</sup> ]	Properties	Application / remarks
SPG-10	60 cP	11.0	1.0 – 1.1	stabilized water-soluble	for copper plates (environmentally friendly)
SPG-50	40 cP	11.5	1.0 – 1.1	easy-shake water-soluble	for general applications on a variety of materials
SPG-100	275 cP	8.3	1.0 – 1.1	stabilized water-soluble	perfect match with IRINO composite polishing pads
SPG-120	150 cP	9.0	1.0 – 1.1	stabilized water-soluble	for tin plates



Suspensions are available in customer-tailored formulations in a wide range of viscosities, diamond types, grit sizes, and concentrations.



Diamond suspensions are used with various lapping and polishing pads. We are happy to assist you in finding the best suitable products.



Pureon offers a wide range of customized solutions. Get in touch with us.

## 2. Diamond concentration

Concentration range 1 – 1'500 cts/ltr depending on grit size, e.g.:	Low	15 cts/ltr
	Medium	25 cts/ltr, recommended
	High	50 cts/ltr

## 3. Diamond type / grit size

Type	Product name	Available size ranges
Polycrystalline diamond	DP	Refer to product datasheet: <a href="http://www.pureon.com/products/diamond-powder/polycrystalline-microdiamant-dp">www.pureon.com/products/diamond-powder/polycrystalline-microdiamant-dp</a>
Monocrystalline diamond	MSY	Refer to product datasheet: <a href="http://www.pureon.com/products/diamond-powder/monocrystalline-microdiamant-msy">www.pureon.com/products/diamond-powder/monocrystalline-microdiamant-msy</a>

## Order information

Order code ..... SPG-10 / 25 DP 5.5 – 8 micron  
 Packing ..... Bottles 1ltr, 2.5ltr, Containers 5 ltr, 10 ltr  
 If not specified, 1 liter bottles are filled.  
 Units ..... Liter [ltr]

## Application recommendations

**Safety** ..... To avoid skin or eye irritation, use appropriate personal protective equipment according to MSDS. Follow all MSDS, safety datasheets, label precautions, and industrial safety and hygiene practices when handling or using this product.

**Homogenization** ..... For consistent performance, ensure that the suspension is completely homogenized prior to use. Suspensions can separate if stored over extended periods of time and if exposed to variable temperatures.

**Dilution** ..... This slurry is designed as a ready-to-use product directly from the container and should not be diluted.

**Storage** ..... Recommended: 5 °C – 30 °C / 40 °F and 90 °F  
 Sort term: 0 °C – 38 °C / 32 °F and 100 °F

Products should be allowed to return to room temperature prior to use. Storage outside the recommended conditions may result in irreversible product damage.

**Disposal** ..... Dispose of in accordance with all applicable local regulations.

## Contact

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