

Highlights

- Better surface finishes
- Faster removal rates
- No foam
- Extended diamond life
- Non-staining
- Non-corrosive
- Compatible with all filtration systems

Synthetic grinding fluid (recirculating)

VECTOR HTG

VECTOR HTG is a synthetic formulation developed to optimize removal rate and surface finish in grinding, sawing, and dicing processes using diamond grinding wheels and blades. The product's exceptional heat transfer characteristics ensure prolonged diamond life. VECTOR HTG is compatible with all filtration systems, and its foam-free operation promotes operator acceptance.

Typical applications

Gallium arsenide, germanium, sapphire, silicon, silicon carbide

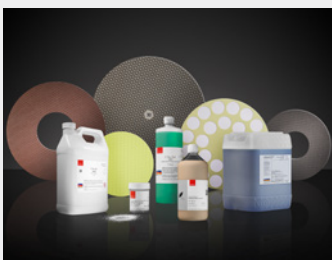
Slurry additive	Base material	Dilution ratio	pH value	Specific gravity
VECTOR HTG	Water	75:1	9.8	1.03
VECTOR HTI	Water	400:1	12.3	1.02
VECTOR HTN	Water	20:1	9.0	1.00
VECTOR HTS	Water	25:1	9.0	1.00



VECTOR HTG grinding coolant reduces process variation, extends diamond wheel life, and achieves better cut rates and surface finishes.



VECTOR HTS improves the lapping process by reducing variability, and lowers cost through reduction in required abrasives.



Pureon offers a wide range of customized solutions. More information can be found on www.pureon.com/products/overview

Product specifications

Base material Water
Shelf life 24 months

Order information

Packing Product is available in 5-gallon pails and 55-gallon drums. Other sizes available upon request.
Unit of measure Gallon (gal)

Application recommendations

Handling VECTOR HTG is designed for use at economical dilution ratios and is equally effective in hard and soft water. For optimum results in “once-through” coolant feed systems, follow the dilution ratios listed below.

Maintaining dilution ratios with a hand-held refractometer is recommended. A pH meter is also useful. Develop production-specific scales by obtaining accurately measured samples of a properly diluted mixture that corresponds to use. Maintain a higher concentration for recirculating, filtered coolant systems.

Storage Product should be stored in a temperature controlled environment. Prolonged exposure to temperatures at or below 32 ° Fahrenheit (0 °C) is discouraged. Prolonged exposure to temperatures at or above 100 ° Fahrenheit (38 °C) is also discouraged. In addition, material should always be sealed when not in use to prevent evaporation.

Disposal Dispose of in accordance with all applicable local regulations.

This product is manufactured by Intersurface Dynamics.

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