

SARGRIND CG PLUS is a very high quality, fully synthetic soluble grinding fluid primarily designed to provide exceptional performance when grinding and regrinding using tungsten carbide tooling. Designed to prevent the leaching of potentially harmful cobalt from the tungsten carbide into the solution, to ensure extended fluid life and tool life and a safer operator environment.

## **APPLICATION**

This synthetic product is intended for grinding carbide, but is equally good on ceramics, cermets, chill cast alloys and tool steels and minimises cobalt leaching while still maintaining superior cutting and non-cutting characteristics.

## **BENEFITS**

- Latest amine-free technology prevents and suppresses the dissolution of potentially harmful cobalt.
- Also suitable for grinding a range of non-ferrous metals, including copper-based and aerospace alloys.
- Superb emulsion stability even in hard water.
- Formulated to minimize sticky residues and to dramatically reduce grinding wheel clogging.
- Free from chlorine, sulphur, secondary amines, nitrites and phenols.
- Modern chemistry formulated to exceed all existing and proposed future health, safety and environmental requirements for grinding fluids.

## **PERFORMANCE PROFILE**

Recommended Metalworking Concentrations

Grinding 3% - 5%

## **TYPICAL PROPERTIES**

Appearance (Concentrate)	Amber liquid
Appearance (Solution)	Clear fluorescent yellow
pH (5% emulsion)	9.2
IP 287 Breakpoint	2.0%
Mineral Oil Content	Nil
Refractometer Conversion Factor	1.72
Make Up Water Hardness	50 - 600 ppm

## **FLUID MAINTENANCE**

To check and maintain fluid concentration a refractometer is recommended, the resulting reading multiplied by the refractometer conversion factor will give the actual concentration strength. Maintaining a consistent concentration is paramount to prolonging the fluid sump life. To promote long service life, it is strongly advised that coolant systems are thoroughly sterilised with a System Cleaner prior to coolant changes (see Sarsol System Cleaner Technical Data Sheet for further information and guidelines).

Further tests for bacteria, fungus, pH and tramp oil contamination are available through our Cooltrak Fluid Management Service. This service offers guidance and assistance for users to comply with current HSE legislative requirements. Please contact us for further details.

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## **HEALTH & SAFETY**

Please refer to the Safety Data Sheet, freely available, for product handling and disposal advice. Please note that the SDS includes handling, storage, health and disposal information which should be passed on to anyone else who comes in contact with our product. Additional advice can also be obtained from your local representative.

NOTE: Read and understand all precautions on container labels before using this product.