

CONTRAM™ CB

A complete solution for cleaning and disinfecting metalworking fluid systems



Product Description

CONTRAM™ CB products are concentrated metalworking fluid system cleaners designed for use during the process of fluid disposal and re-charge. These products are combinations of effective bactericides and fungicides with alkaline builders, surfactants and surface-active agents that will provide a complete package for cleaning and disinfecting systems to avoid problematic microbial contamination in the new fluid charge.

Proper application of system cleaners will help to prevent the re-emergence of microbial contamination challenges in the new metalworking fluid dilution and will facilitate a cleaner, more productive workplace.

Enhanced Performance

- Convenient package that cleans and disinfects metalworking fluid systems
- Highly effective against both bacteria and fungi
- Designed with the complete metalworking fluid formulation in mind to ensure compatibility and maximum efficacy
- Helps disperse other contaminants so that they are more easily removed in the cleaning process
- Part of a complete metalworking fluid management program to deliver optimal fluid performance for extended time periods
- Safe and effective when applied and handled properly — CB-1 and CB-2 are not classified as skin sensitizers

Product Family

- **CONTRAM CB-1:** Low alkalinity version for minimal pH shift of existing fluid dilution
- **CONTRAM CB-2:** High alkalinity version to buffer pH of existing fluid dilution
- **CONTRAM CB-3:** Formaldehyde-free option, alkaline to buffer pH of existing fluid dilution



Regulatory Compliance Solutions

When provisions of the European Biocidal Products Directive (BPD) take full effect, system cleaners such as CONTRAM CB products will require full registration as biocidal products. Managing the demands and complexity of this registration program is a challenging task, above and beyond the normal product compliance competencies of industrial lubricant suppliers.

Lubrizol's commitment to support CONTRAM CB products in the BPD eliminates the burden of registering individual system cleaner products, and ensures the long-term availability of these important fluid maintenance tools for the metalworking fluid industry. Consult with your Lubrizol representative to understand all the potential regulatory compliance solutions that CONTRAM CB products can offer.

Recommended Use Directions

CONTRAM CB products are recommended for addition to in-use metalworking fluid dilutions prior to fluid disposal.

CONTRAM CB products should be added at 0.5-2.0% based on the total diluted fluid volume, depending on the extent of microbial and other contamination in the system. Refer to specific treat rate guidance for the particular CONTRAM CB product being used.

Following addition of CONTRAM CB, machining operations can continue without interruption. A minimum circulation time of eight hours is recommended to ensure effective performance. Prior to re-charging the system with new fluid, the system should be flushed thoroughly to ensure complete removal of contaminants loosened in the cleaning process.

In-Depth Industry Knowledge

Lubrizol's comprehensive knowledge of the metalworking fluid industry helps us provide unequalled consultative support at all stages of the metalworking fluid application. From product development in the laboratory to troubleshooting challenges in the end use environment, we work with customers on specific formulation strategies to improve products or to help incorporate additives in existing product lines

Typical Properties

	CONTRAM CB-1	CONTRAM CB-2	CONTRAM CB-3
Appearance	Clear, light yellow liquid	Clear, amber liquid	Clear, amber liquid
pH	8.2 (conc.)	9.8 (1%)	9.8 (1%)
Solubility	Water Soluble	Water Soluble	Water Soluble
Formaldehyde Content	Yes	Yes	No
Active Biocide Chemistry	O-Formal / Iodocarbamate	Oxazolidine / Iodocarbamate	Benzisothiazolin / Iodocarbamate

Assured Compliance

CONTRAM CB products, and all active biocidal chemistries they contain, are being supported under the European Biocidal Products Directive (BPD). This places Lubrizol in the best position to assist our customers in the

design of their concentrate formulations in full compliance with current legislation and to assist in developing products with the most suitable labeling for the end user application. Our commitment to this program ensures the long-term availability of this performance chemistry for the metalworking fluid industry



Health and Safety

Lubrizol supports customers through:

- Product Safety and Compliance Department, providing expert communication and advice to help educate on product risk and proper handling
- mylubrizol.com, providing timely notification on the challenges and mandates driving the metalworking industry
- Commitment to the BPD, providing assurance through a comprehensive set of health and safety data for each of the active molecules in our product range.

Please note: Use biocides safely. Always read the label and product information before use.

When properly applied, these products will safely and effectively control the hazards of microbial growth in metalworking fluids.

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