

Key Performance Advantages

- Efficient neutralizer
- Maintains pH stability
- Extends fluid life
- Easy to formulate
- Broadly registered



Metalworking Fluids

CORRGUARD[®] FLEX

Extended Metalworking Fluid Life with Improved Formulating Capability

When used with registered biocides, CORRGUARD FLEX[®] extends fluid life in a broad range of metalworking fluid (MWF) formulations with improved formulating compatibility, neutralization and other key benefits:

- Primary amine suitable for low secondary amine formulations
- Extended fluid life compared to commonly used alternatives
 - Improved corrosion control
 - Effective pH control
- Easy to handle liquid and easy to formulate (100% water soluble)
- Broadly registered for use in all major geographies

CORRGUARD FLEX uniquely combines neutralization, pH stabilization and extended fluid life in one product, enabling MWF producers the flexibility to optimize the functionality of their MWF formulations.

Product Specifications

Neutral equivalent	118.0 max
Secondary amines	< 1.0%
Gardner color	6 max
Water content	16.5% max

Typical Properties

The following are selected properties of CORRGUARD FLEX. They are not to be considered product specifications.

Physical state/appearance	Liquid
Amine value (mg KOH/g)	510
Primary active ingredients (%)	85%
pH (as supplied)	12.6
Boiling point at 760 mmHg	120°C*
Freezing point	<-30°C
Flash point (closed cup)	>150°C
Vapor pressure (anhydrous at 22°C)	<1 mmHg
Solubility in water	Completely Miscible
Density	0.984 g/ml @ 20°C
Viscosity	50 cp @ 25°C; 428 cp @ 0°C

*Initial boiling point influenced by water content (15% nominal), boiling point for active ingredients is higher

Product Stewardship

ANGUS encourages its customers to review their applications of ANGUS products from the standpoint of human health and environmental quality. To help ensure that ANGUS products are not used in ways for which they are not intended, ANGUS personnel will assist customers in dealing with environmental and product safety considerations. For assistance, product Safety Data Sheets, or other information, please contact your ANGUS representative at the numbers provided in this document. When considering the use of any ANGUS product in a particular application, review the latest Safety Data Sheet to ensure that the intended use is within the scope of approved uses and can be accomplished safely. Before handling any of the products, obtain available product safety information including the Safety Data Sheet(s) and take the necessary steps to ensure safety of use.

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