



# M-AMINE 1

Global Biocides Solutions

April 2017

## PH Stabilizer and Buffering Agent

**M-Amine 1** is a highly cost effective industrial amine buffer that avoids many of the conventional problems experienced with ammonia such as odor, and when replacing AMP-95® it does not leave whitish crystalline residue exudates on the surface of the film under cold and moist conditions. Additionally, **M-Amine 1** is non-combustible and non-flammable for safer handling. **M-Amine 1** has a proven track record in the coatings industry and is widely used in a variety of paints, colorants and pigment dispersion products in North America.

### Benefits of Using M-Amine1 vs AMP-95®:

- Zero contribution of VOC
- Not combustible nor flammable therefore easier use in factory conditions
- No ammonia odor and lower odor than AMP
- No crystalline residue under moist and cold conditions
- Reduced residual water sensitivity
- Broad compatibility with most coatings systems
- Freeze resistance at typical use levels
- Early Blister resistance and water sensitivity

#### Results for M-Amine- 1 VOC Study—ASTM Method D6886-14\*

	PVA FLAT PAINT		ACRYLIC SEMI-GLOSS	
	No M-Amine 1	w 0.2% M-Amine 1	No M-Amine 1	w 0.2% M-Amine 1
Material VOC (g/L)	10	10	4	4
Coating	30	30	10	10

\* Independent lab test—CalPoly Feb 2016

#### Resistance and Water Sensitivity

	AMP-95® Early Blister	M-Amine 1
100% Acrylic Semi-Gloss	slight blisters	no blisters
PVA Gloss	heavy blisters	no blisters

#### Physical Properties:

Chemistry	proprietary amine
PH value	12.0
Viscosity	water thin
Specific gravity	1.05
Appearance	clear liquid
Ammonia content	0%
VOC added	0%
Freeze point	low

# GLOBAL BIOCIDES SOLUTIONS LLC



Specialty Biocides for  
Industrial Applications

## About Us

Global Biocides Solutions, LLC, a South Carolina based company, can supply a complete package of biocides, additives and technical support for a broad range of industrial applications.

Typically, our customers are involved in paints, coatings, latex emulsions, mineral slurries, caulks, adhesives, sealants, joint compounds, building construction materials, additives, agricultural pesticide formulations, and household and industrial cleaning products.

## Product Overview

- DBNPA
- Bronopol
- Glutaraldehyde
- 1.5% chloro-2-methyl-4-isothiazolin-3-one / 2-methyl-4-isothiazolin-3-one
- BIT
- Dazomet
- IPBC
- CTL
- Zinc Pyrithione
- Sodium Pyrithione
- PHMB
- M-Amine1

## Contact Us

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