



MATERIAL SAFETY DATA SHEET

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Customer Service, Product Information: 650-697-5811

Revision Date: 01/24/2008

MSDS Number: 4425

SECTION #1 - IDENTIFICATION

Product Name: FORMULA 4425

Product Use: CONDENSATE CORROSION INHIBITOR

SECTION #2 - COMPONENTS*

EXPOSURE LIMITS

COMPONENT	CAS NUMBER	PERCENT	ACGIH TLV	OSHA PEL	OTHER
DIETHYLAMINOETHANOL	100-37-8	15-25 %	2 ppm (skin)	10 ppm	
CYCLOHEXYLAMINE	108-91-8	5-15 %	10 ppm	10 ppm	
MORPHOLINE	110-91-8	5-15 %	20 ppm (skin)	20 ppm (skin)	

*NOTE: OSHA requires only that hazardous components be listed in this section.

SECTION #3 - PHYSICAL DATA

APPEARANCE:	Clear water white liquid	%VOLATILES:	100
BOILING POINT:	< 150 °F	SOLUBILITY:	Complete
VAPOR DENSITY:	Not applicable	SPECIFIC GRAVITY:	0.90 - 1.0
VAPOR PRESSURE:	Not applicable	EVAPORATION RATE (where butyl acetate=1):	< 1
pH:	12.0 - 14.0	ODOR:	Ammonia

SECTION #4 - FIRE AND EXPLOSION DATA

FLASHPOINT (PMCC):	166°F	EXPLOSIVE LIMITS:	
AUTOIGNITION:	Not determined	LEL:	Aqueous solution
EXTINGUISHING MEDIA:	Water fog, alcohol foam, CO2, or dry chemical	UEL:	Aqueous solution
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Dangerous when exposed to heat or flames. Emits toxic gases when heated to decomposition. Can react with oxidizing materials.		
FIRE FIGHTING INSTRUCTIONS:	Heated product will emit ammoniacal fumes. Wear full protective clothing and self-contained breathing apparatus.		

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