



MATERIAL SAFETY DATA SHEET

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CHEMTREC: 1-800-424-9300

Customer Service, Product Information: 650-697-5811

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MSDS Number: 1100

SECTION #1 - IDENTIFICATION

Product Name: FORMULA 1100

Product Use: BOILER WATER TREATMENT

SECTION #2 - COMPONENTS*

EXPOSURE LIMITS

COMPONENT	CAS NUMBER	PERCENT	ACGIH TLV	OSHA PEL	OTHER
SODIUM HYDROXIDE	1310-73-2	5 - 10	2 mg/m3 ceiling	2 mg/m3	NIOSH REL: 2 mg/m3 ceiling
SODIUM PHOSPHONATE	2809-21-4	5 - 10	Not established	Not established	
PROPRIETARY POLYMER	MIXTURE	< 40	Not established	Not established	

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

SECTION #3 - PHYSICAL DATA

APPEARANCE:	Clear light yellow to light pink liquid	%VOLATILES:	80
BOILING POINT:	> 212 °F (100 °C)	SOLUBILITY:	Complete
VAPOR DENSITY:	Not established	SPECIFIC GRAVITY:	1.1 - 1.2
VAPOR PRESSURE:	Not established	EVAPORATION RATE (where butyl acetate=1):	< 1
pH:	11.0 - 13.0	ODOR:	Slight chemical

SECTION #4 - FIRE AND EXPLOSION DATA

FLASHPOINT (PMCC):	Non-flammable	EXPLOSIVE LIMITS:	
AUTOIGNITION:	Not established	LEL:	Not established
EXTINGUISHING MEDIA:	Use media appropriate for the surrounding fire.	UEL:	Not established
UNUSUAL FIRE AND EXPLOSION HAZARDS:	No unusual hazards.		
FIRE FIGHTING INSTRUCTIONS:	In case of fire wear full positive-pressure self-contained breathing apparatus and protective suit.		

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