



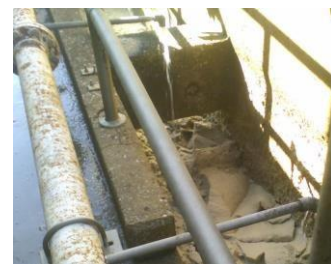
TECHNICAL DATA SHEET

NoFoam BIO100

NOFOAM BIO100 IS A 100 PERCENT-ACTIVE SYNTHETIC FOAM CONTROL ADDITIVE THAT ALLOWS REGULATION AND ELIMINATION OF BIOLOGICALLY-GENERATED FOAM IN ACTIVATED SLUDGE, BNR/ENR, AND MBR WASTEWATER TREATMENT PROCESSES. **NOFOAM BIO100** WILL ALSO CONTROL FOAM/FROTHING IN AEROBIC OR ANAEROBIC SLUDGE DIGESTION. **NOFOAM BIO100** DOES NOT CONTAIN MINERAL OIL, SILICONES, NITROGEN OR PHOSPHOROUS-BASED MATERIALS, NOR INHIBIT REMOVAL OF NITROGEN OR PHOSPHOROUS IN BNR/ENR PROCESSES.

RECOMMENDED USAGE LEVELS

FOR AERATION BASINS, **ZINKAN** RECOMMENDS ADDITION OF 0.5 TO 10 PPM **NOFOAM BIO100** BASED ON THE DAILY FLOWRATE OF THE SYSTEM (INFLUENT + R.A.S.). THE PRODUCT MAY BE FED ON A CONTINUOUS BASIS OR AS A BATCH PROCESS. PRODUCT SHOULD BE



ADDED AS RECEIVED – DO NOT DILUTE WITH WATER. **NOFOAM BIO100** SHOULD BE ADDED TO THE PRIMARY EFFLUENT PRIOR TO AERATION OR INTO THE R.A.S. LINE. IF FOAM BLANKET IS GREATER THAN TWELVE INCHES, THE ADDITION RATE OF **NOFOAM BIO100** REQUIRED FOR EFFECTIVE CONTROL MAY NEED TO BE INCREASED TO 10 – 30 PPM UNTIL THE FOAM BLANKET IS REDUCED TO 3 TO 4 INCHES, THEN 0.5 TO 5 PPM IS SUFFICIENT FOR FOAM CONTROL.

IN SLUDGE DIGESTION, **NOFOAM BIO100** IS MOST EFFECTIVE WHEN ADDED WITHIN THE HEAT-EXCHANGE LOOP FOR BOTH FLOATING- AND FIXED-COVER CONFIGURATIONS, OR MAY BE ADDED AT THE PERIMETER OF THE DIGESTOR FOR FLOATING-COVER UNITS IF SLUDGE RECEIVES ADEQUATE CIRCULATION. **ZINKAN** RECOMMENDS A DOSAGE OF 1 TO 5 GAL **NOFOAM BIO100** PER MILLION GALLONS OF DIGESTOR VOLUME. A HIGHER DOSE MAY BE REQUIRED AT FIRST, WITH A DECREASE IN **NOFOAM BIO100** FEED RATE TO A MAINTENANCE CONCENTRATION ONCE FOAM IS RETURNED TO ACCEPTABLE LEVELS.



IN THE SECONDARY CLARIFIERS, **NOFOAM BIO100** MAY BE ADDED IN THE POST-AERATION EFFLUENT. HOWEVER, PERFORMANCE OF **NOFOAM BIO100** IMPROVES WHEN IT IS ADDED TO THE AERATION PROCESS TO MINIMIZE FOAM GENERATION PRIOR TO TRANSFER OF WASTEWATER TO THE CLARIFIERS.

REGULATORY INFORMATION

NOFOAM BIO100 IS COMPRISED OF INGREDIENTS LISTED ON THE U.S. TSCA INVENTORY, CANADIAN DSL, AUSTRALIAN AICS, CHINESE IECSC, AND KOREAN KECL.

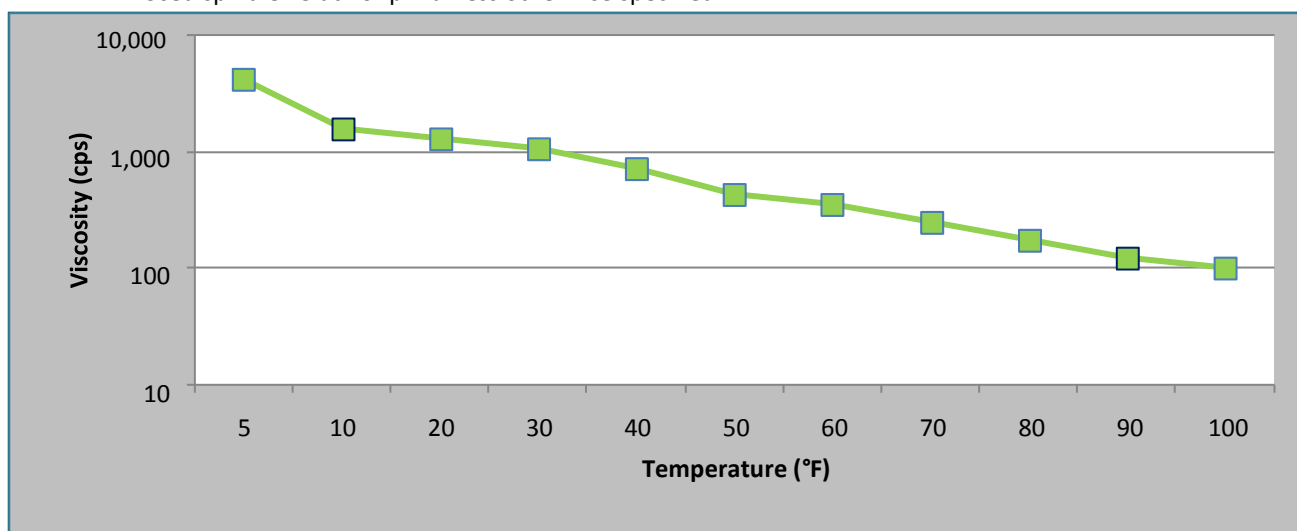
**NoFoam BIO100****TYPICAL PROPERTIES**

APPEARANCE:	TAN TO AMBER TRANSLUCENT LIQUID
WEIGHT PER GALLON:	8.18 POUNDS
POUR POINT:	>10°F
FLASH POINT:	>400°F
WATER SOLUBILITY:	DISPERSIBLE

VISCOSITY PROFILE

Temperature (°F)	Product Appearance	Viscosity (cps)*
5	Hazy - light amber viscous liquid	4175
10	Hazy - light amber viscous liquid	1600
20	Hazy - light amber viscous liquid	1300
30	Hazy – light amber liquid	1050
40	Hazy – light amber liquid	725
50	Clear light amber liquid	425
60	Clear light amber liquid	350
70	Clear light amber liquid	250
80	Clear light amber liquid	175
90	Clear light amber liquid	125
100	Clear light amber liquid	100

*Used spindle #3 at 20 rpm unless otherwise specified





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AQUATIC TOXICITY TESTING (48 TO 96 HR ACUTE TOXICITY)

CERIODAPHNIA DUBIA	610 MG/L	PRACTICALLY NON-TOXIC
CYPRINODON VARIEGATES	>1000 MG/L	INISIGNIFICANT HAZARD
SALMO GAIRDNERI	140 MG/L	PRACTICALLY NON-TOXIC

STORAGE AND HANDLING

THIS PRODUCT WILL NOT SEPARATE UPON STORAGE AND DOES NOT REQUIRE STIRRING PRIOR TO USE. SHELF LIFE OF THIS PRODUCT IS GREATER THAN ONE YEAR. PROTECT FROM MOSITURE AND FOREIGN MATERIALS. DO NOT REUSE THE PACKAGE. PROLONGED OR REPEATED CONTACT MAY CAUSE EYE OR SKIN IRRITATION. DO NOT TAKE INTERNALLY.

SHIPPING

NOFOAM BIO100 IS A NON HAZARDOUS PRODUCT AND IS NOT REGULATED BY THE DEPARTMENT OF TRANSPORTATION. **NOFOAM BIO100** IS SHIPPED IN BULK, 275 GALLON RETURNABLE TOTES, 55 GALLON RETURNABLE DRUMS AND 5 GALLON PAILS.

PRODUCT SAFETY INFORMATION

ALTHOUGH NO SPECIAL PRECAUTIONS ARE REQUIRED, ANYONE PROCURING, USING OR DISPOSING OF THIS PRODUCT OR THEIR CONTAINERS MUST BE FAMILIAR WITH THE APPROPRIATE SAFETY AND HANDLING PRECAUTIONS. SUCH INFORMATION MAY BE FOUND IN THE MATERIAL SAFETY DATA SHEETS FOR THIS PRODUCT.

ALL STATEMENTS, INFORMATION AND DATA GIVEN HEREIN ARE BELIEVED TO BE ACCURATE AND RELIABLE BUT ARE PRESENTED WITHOUT GUARANTY, WARRANTY, OR RESPONSIBILITY OF ANY KIND, EXPRESSED OR IMPLIED. STATEMENTS OR SUGGESTIONS CONCERNING THE POSSIBLE USES OF OUR PRODUCTS ARE MADE WITHOUT REPRESENTATION OR WARRANTY THAT ANY SUCH USE IS FREE OF PATENT INFRINGEMENT, AND WE ARE NOT RECOMMENDING TO INFRINGE ANY PATENTS. THE USER SHOULD NOT ASSUME THAT ALL SAFETY MEASURES ARE INDICATED OR THAT OTHER MEASURE MAY NOT BE TAKEN.

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