

DF 5000 DRAIN TREATMENT

MSDS Sheet

002 07/27/00 DF 5000 DRAIN TREATMENT

PRODUCT IDENTIFICATION/INFORMATION

PRODUCT NAME: DF 5000 DRAIN TREATMENT

MSDS NUMBER: P17713V

DATE ISSUED: 10/21/99

SUPERSEDES: 9/14/93

ISSUED BY: 004002

SECTION I PRODUCT IDENTIFICATION

PART NUMBER: 95954

PRODUCT NAME: DF 5000 DRAIN FLY TREATMENT

TRADE NAME/SYNONYMS: DF 5000 GEL

CHEMICAL FAMILY: BACTERIA/COMPLEX

SECTION II HAZARDOUS INGREDIENTS

INGREDIENTS	CAS NO	WT%	PEL	TLV	STEL	UNIT	LC50,PPM	
LD50, MG/KG								
PROPYLENE GLYCOL I20000	00057-55-6	1-5	N/A	N/A	N/A	N/A	N/A	RAT
A20800								RAB
NONIONIC SURFACTANT I1310	09016-45-9	30-35	N/A	N/A	N/A	N/A	N/A	RAT
A1780								RAB

OSHA NON HAZARDOUS

WATER 07732-18-5 >3%
BACTERIA/COMPLEX 68920-42-3 >3%

SYMBOLS, ABBREVIATIONS AND NOTATIONS:

N/A=NOT AVAILABLE OR APPLICABLE

C=CEILING LIMIT

S=SKIN DESIGNATION

#=LISTED IN SARA TITLE III SECTION 313

*=IF FOUND AS DUST, MIST OR FUME

M=HUMAN

RAB=RABBITS
GPG=BUINE PIGS
MIC=MICE
I=INGESTION
A=SKIN ABSORTION
LO=LITTLE OBSERABLE EFFECT
NO=NO EFFECT
PEL=OSHA PERMISSIBLE EXPOSURE LIMIT
TLV=ACGIH THRESHOLD LIMIT VALUE
STEL=SHORT TERM EXPOSURE LIMIT
@=NON-HAZ. INGRED. AMONG 5 MOST PREDOM. SUBST.

SECTION III PHYSICAL DATA

BOILING PT DEG F/C: 212 F/100 C
VAPOR PRESSURE (MM HG): N/A
SOLUBILITY IN WATER: MISCIBLE
APPEARANCE AND ODOR: GREEN LIQUID WITH PINE ODOR
PHYSICAL STATE: LIQUID
FREEZE PT DEG F/C: 32 F/O C
OTHER: N/A
VOC: LBS/GAL= 0.0, GRAMS/LITER=0, GRAMS VOC/GRAM SOLID= N/A % VOC 0
SPECIFIC GRAVITY: 1.02
%VOLATILE VOLUME: 98%
EVAPORATION RATE: (H20=1):1
WATER/OIL DIS COEFF:
PH: 6-8
THRESHOLD ODOR, PPM: N/A

SECTION IV FIRE AND EXPLOSION HAZARD DATA

CLASSIFICATION: N/A
NFPA RATING: 1,0,0
COMBUSTION PRODUCTS: CARBON COMPOUND
FLASH POINT DEG F/C: N/A
EXTINGUISHING MEDIA : WATER FOG, FOAM, DRY CHEMICAL, CO2
UN/NA /PIN#: N/A
SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF CONTAINED BREATHING EQUIPMENT.
AUTO IGN. TEMP DEG F/C: N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS: CONTAINERS MAY BURST DUE TO STEAM PRESSURE.
EXPLOSIVE POWER: LOW
IMPACT SENSITIVE: NO
BURNING RATE: N/A
STATIC SENSITIVE: NO

SECTION V HEALTH HAZARD DATA

ROUTES OF ENTRY: SKIN CONTACT, EYE,, INHALATION, INGESTION
EFFECTS OF OVEREXPOSURE: MAY CAUSE EYE AND SKIN IRRITATION. PROLONGED AND
REPEATED INHALATION MAY BE HARMFUL TO THE RESPIRATORY TRACT. INGESTION CAUSES NAUSEA, CRAMPS, VOMITING, DIARRHEA.

LISTED AS A SUSPECTED CARCINOGEN: NO
EMERGENCY AND FIRST AID PROCEDURES:

EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MIN. & CALL A PHYSICIAN.
SKIN: WASH THOROUGHLY WITH PLENTY OF WATER AND SOAP.
INHALATION: IF AFFECTED, REMOVE TO FRESH AIR.
INGESTION: SEEK PHYSICIAN IMMEDIATELY, SHOW MSDS OR LABEL, INDUCE VOMITING.

SECTION VI REACTIVITY DATA

STABLE: YES
INCOMPATIBILITY (MATERIALS TO AVOID): NO
HAZARDOUS DECOMPOSITION PRODUCTS: NO
HAZARDOUS POLYMERIZATION: NO
CONDITIONS TO AVOID: N/A

SECTION VII SPILL OR LEAK PROCEDURES

LISTED IN: SARA TITLE III, #302: NO #304, CLERCLA: NO #313: NO N/A
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES, EYE/FACE PROTECTION. CLEAN UP WITH ABSORBENT MATERIAL.
REPORT QUALITY, LB: N/A KG: N/A TPQ, LB: N/A
REGULATIONS: OTHER: N/A
HAZARD WASTE: NO
DISPOSAL METHOD: DISPOSE OF WASTES IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATION.

SECTION VIII SAFE HANDLING AND PROTECTION INFORMATION

RESPIRATORY PROTECTION: NOT REQUIRED

VENTILATION-LOCAL: RECOMMENDED
MECHANICAL: RECOMMENDED
SPECIAL: N/A
OTHER: N/A

PROTECTION GLOVES: RUBBER OR IMPERVIOUS GLOVES EYE PROTECTION: GOGGLES
OTHER PROTECTIVE EQUIPMENT: N/A
ESTIMATED LD50, MG/KG: NO
ESTIMATED LC50, PPM: NO
SENSITIZATION: NO
IRRITANT: NO
SYNERGISTIC AGENTS: NO

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
KEEP AWAY FROM HEAT, SPARKS, FLAME OR SOURCES OF IGNITION.
USE ONLY IN WELL VENTILATED AREAS
DO NOT TAKE INTERNALLY
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
DO NOT BREATHE VAPOR.
DO NOT INGEST.

WASH THOROUGHLY AFTER USING.
IN CASE OF ACCIDENT OR ILLNESS, SEEK PHYSICIAN IMMEDIATELY, SHOW LABEL
OR
MSDS.
OTHER PRECAUTIONS:
KEEP OUT OF REACH OF CHILDREN.
FOR PROFESSIONAL AND INDUSTRIAL USE ONLY. ALWAYS READ AND
FOLLOW DIRECTIONS ON THE PRODUCT ON LABEL. ADDITIONAL TECH DATA AND/OR
MSDS'S
ARE AVAILABLE UPON REQUEST.

ALL COMPONENTS OF THIS PRODUCT ARE LISTED OR ARE EXEMPT FROM LISTING ON
THE
TSCA INVENTORY AND/OR THE CANADIAN DSL OR NDSL. MSDS PREPARED BY THE
CORPORATE COMPLIANCE DEPARTMENT.

For emergency assistance involving chemicals,
call CHEMTREC - (800) 424-9300
Vopak USA
6100 Carillon Point, Kirkland WA 98033 - (425) 889-3534

Vopak USA expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Vopak USA makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Vopak USA's control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.