Material Safety Data Sheet

I. GENERAL INFORMATION

PRODUCT NAME: **DBT 4410**

DISTRIBUTOR'S ADDRESS: Delta Chemical Corp
P.O. Box 7430
Metairie, LA 70010-7430

24 HOUR EMERGENCY PHONE: **1-800-255-3924**

TRADE NAME: SLUDGE CONDITIONER, OXYGEN SCAVENGER

CHEMICAL FORMULA: PROPRIETARY
CHEMICAL FAMILY: BOILER WATER TREATMENT

HEALTH	1
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	D

II. HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS INGREDIENT(S):	% OF PRODUCT	PEL / TLV	CAS NO.
SODIUM HYDROXIDE	<10	PEL:2MG/CU METER: HOUR TWA:TLV 2MG CU METER CEILING	1310-73-2
SODIUM BISULFITE	<10	PEL:5MG/CU METER: HOUR TWA	7631-90-5
DIETHYLETHANOLAMINE	<5	PEL: 10PPM/8HR TW TLV:48MG/M3-8HR T	100-37-8

III. PHYSICAL DATA

BOILING POINT (F):	>220(F)	**SPECIFIC GRAVITY (H20=1):**	1.17
VAPOR PRESSURE:	NE	**PERCENT VOLATILE BY WEIGHT (%)**	NE
VAPOR DENSITY:	NE	**MELTING / FREEZING POINT (F):**	NA
SOLUBILITY IN WATER:	COMPLETE	**PH:**	APPROXIMATELY 12.16
APPEARANCE AND ODOR:	LIGHT BROWN LIQUID, SLIGHT AMINE ODOR		

IV. FIRE AND EXPLOSION DATA

FLASH POINT: N/A
AUTO IGNITION TEMPERATURE: NA
FLAMMABLE LIMITS IN AIR, VOLUME PERCENTAGE (%):
UPPER: N/A **LOWER:** N/A
EXTINGUISHER MEDIA: AS USED ON SURROUNDING FIRE
SPECIAL FIRE FIGHTING PROCEDURES: WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS. WATER MAY BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL UNTIL FIRE IS OUT.

UNUSUAL FIRE/EXPLOSION HAZARDS: NONE

V. PHYSICAL HAZARDS

STABILITY: STABLE **CONDITIONS TO AVOID:** EXTREME HEAT
MATERIALS TO AVOID: ACIDS, PEROXIDES, ORGANIC HALOGENATED COMPOUNDS
HAZ. POLYMERIZATION: WILL NOT OCCUR **CONDITIONS TO AVOID:** NONE
HAZARDOUS DECOMPOSITION PRODUCTS: SULFUR DIOXIDE

VI. HEALTH HAZARDS

ACUTE: SLIGHT IRRITANT **CHRONIC:** NONE

SIGNS AND SYMPTOMS OF EXPOSURE: REPEATED AND PROLONGED EXPOSURE TO DBT 4410 MAY IRRITATE SKIN TISSUE. SEVERE IRRITANT TO EYES.

MEDICAL CONDITIONS GENERALLY AGGREVATED BY EXPOSURE: INHALING DBT 4410 MISTS CAN CAUSE DAMAGE TO UPPER RESPIRATORY TRACT.

LISTED AS POTENTIAL CARCINOGEN/POTENTIAL CARCINOGEN: IARC: NO **NATIONAL TOXICOLOGY PROGRAM:** NO

VII. EMERGENCY AND FIRST AID PROCEDURES

TREAT SYSTEMATICALLY AS OUTLINED BELOW:

INHALATION: IF AFFECTED, REMOVE PERSON TO FRESH AIR. CONSULT A PHYSICIAN IF BREATHING DIFFICULTY OCCURS.

SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. CONSULT A PHYSICIAN IF IRRITATION OCCURS.

EYES: FLUSH WITH CLEAN WATER FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER EYE LIDS OCCASIONALLY. GET MEDICAL ATTENTION.

INGESTION: IF PERSON IS CONSCIOUS, GIVE LARGE QUANTITIES OF WATER TO DILUTE. DO NOT INDUCE VOMITING. IMMEDIATELY SEEK MEDICAL ATTENTION.

VIII. ENVIRONMENTAL DATA: SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

LARGE AND SMALL SPILL: SMALL SPILL: FLUSH TO WASTE WITH LARGE QUANTITIES OF WATER. LARGE SPILL: TAKE UP WITH AN ABSORBENT MATERIAL AND RECLAIM TO A CLOSED DOT APPROVED CONTAINER. FLUSH RESIDUE TO WASTE WITH LARGE QUANTITIES OF WATER. SEE SECTION X FOR MORE REGULATORY INFORMATION.

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WASTE DISPOSAL METHODS: WASTE DISPOSAL METHODS: INCINERATE, LANDFILL OR FLUSH TO WASTE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

IX. CONTROL MEASURES

RESPIRATORY PROTECTION: NIOSH APPROVED RESPIRATOR FOR EXPOSURES ABOVE OSHA PEL.

VENTILATION: GENERAL EXHAUST ADEQUATE

PROTECTIVE GLOVES: RUBBER

EYE PROTECTION: CHEMICAL SPLASH GOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: IMPERVIOUS CLOTHING, I.E. APRON AND BOOTS TO MINIMIZE POTENTIAL CONTACT.

WORK/HYGENIC PRACTICES: CONTAMINATED CLOTHING SHOULD BE LAUNDERED BEFORE REUSE.

OTHER: EYE WASH FOUNTAIN AND SAFETY SHOWER.

X. REGULATORY INFORMATION

DOT SHIPPING NAME: COMPOUND, BOILER CLEANSING, PRESERVING SCALE REMOVING LIQUID

HAZARD CLASSIFICATION: NA **UN / NA NUMBER:** NA

DOT LABEL REQUIRED: NR

SARA TITLE III REPORTING: **SECTION 311:** X **SECTION 312:** X **SECTION 313:** NA

SARA 313 REPORTABLE PRODUCT: NA

SARA TPQ: NA

CERCLA REPORTABLE QUANTITY OF PRODUCT: 2787 GALLONS DUE TO SODIUM HYDROXIDE CONTENT.

HMIS RATING: **HEALTH** 1 **FLAMMABILITY** 0 **REACTIVITY** 1

DATE PREPARED: **FEBRUARY 2003**

PREPARED BY: **CHRIS BUNCH**

NE = Not Established **N/A = Not Applicable** **NR = Not Required** **< = Less Than** **> = Greater Than**

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