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MATERIAL SAFETY DATA SHEET

DATE PREPARED: 6/20/00 SW

1. CHEMICAL PRODUCT IDENTIFICATION **DUBOTH 4010**

General Use: **ORGANIC SCALE INHIBITOR DISPERSANT SLUDGE CONDITIONER & ANTI-FOAM** EMERGENCY TELEPHONE NUMBER:
CHEMTREC 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200) EXPOSURE LIMITS 8 HRS. TWA (PPM)

Component	Hazard	CAS#	OSHA STEL	OSHA PEL	ACGIH TLV
SODIUM HYDROXIDE	CORROSIVE	1310-73-2	10 MG/M³	2 MG/M³	2 MG/M³

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: **THIS WATER BASED PRODUCT IS A CORROSIVE SOLUTION.**

POTENTIAL HEALTH EFFECTS

INHALATION: **MIST IS CORROSIVE TO MUCOUS MEMBRANES.** EYE CONTACT: **CORROSIVE TO THE EYES. MAY CAUSE CORNEAL INJURY.**

INGESTION: **CORROSIVE TO THE DIGESTIVE TRACT.** CHRONIC: **NONE**

SKIN CONTACT: **CORROSIVE TO THE SKIN. MAY CAUSE BURNS.** TARGET ORGANS: **POINT OF CONTACT.**

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: **N.D.**

4. FIRST AID MEASURES

INHALATION: **REMOVE TO FRESH AIR. GET MEDICAL AID FOR ASTHMATICS.** SKIN CONTACT: **WASH WITH SOAP AND WATER.**

EYE CONTACT: **RINSE WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.** INGESTION: **DRINK 2 GLASSES OF WATER AND GET MEDICAL ATTENTION.**

NOTES TO PHYSICIAN: **TREAT SYMPTOMATICALLY AND SUPPORTIVELY.**

5. FIRE FIGHTING MEASURES

Flashpoint (°F) and Method: **DOES NOT BURN – WATER SOLUTION.** Autoignition Temperature (°F): **N/A**

FLAMMABLE LIMITS: Ingredient: **NONE** UEL: **N/A** LEL: **N/A**

GENERAL HAZARD: **THIS MATERIAL IS WATER BASED AND CORROSIVE.** FIRE FIGHTING EQUIPMENT: **WEAR SELF CONTAINED BREATHING APPARATUS.**

FIRE FIGHTING INSTRUCTIONS: **N/E**

EXTINGUISHING MEDIA:

Foam: YES	Alcohol Foam: YES	CO2: YES
Dry Chemical: YES	Water: YES	Other: NONE

HAZARDOUS COMBUSTION PRODUCTS: **OXIDES OF SODIUM AND CHLORINE.**

NATIONAL FIRE PROTECTION ASSOCIATION HAZARD RATINGS:

0 – Insignificant	1 – Slight	2 – Moderate	3 – High
4 – Extreme	U – Unknown	* - No Information	

Health: **:2**
Flammability: **:0**
Reactivity: **:0**

SPECIAL INFORMATION: **CORROSIVE – ALKALINE.**

N/A: Not Applicable
N/D: Not Determined
N/E: Not Established
* Where no corresponding data was contained in manufacturer's MSDS, additional research is required and is available upon request.





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6. ACCIDENTAL RELEASE MEASURES

LAND SPILL: **COLLECT AND DISPOSE OF IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATIONS.**

WATER SPILL: **COLLECT IF POSSIBLE AND CONTACT THE APPROPRIATE AUTHORITIES.**

7. HANDLING AND STORAGE

STORAGE TEMPERATURE (°F): **ROOM TEMPERATURE**

STORAGE PRESSURE: **ATMOSPHERIC**

GENERAL: **STORE IN A COOL, DRY AREA. KEEP CONTAINER CLOSED, KEEP FROM FREEZING AND WASH AFTER HANDLING.**

8. EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS: **LOCAL EXHAUST, USE APPROPRIATE VENTILATION.**

PERSONAL PROTECTION: **GOGGLES.**

RESPIRATOR: **NONE**

PROTECTIVE CLOTHING: **RUBBER GLOVES.**

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure (mmHg)	: N.D.	pH	: 11.0 - 12.0
Specific Gravity (Water=1)	: 1.06 - 1.10	Odor	: NONE
Solubility in Water	: COMPLETE	Appearance	: DARK BROWN
Freezing Point	: N.D.	Physical State	: LIQUID
Evaporation Rate (BuAc=1)	: N.D.	Vapor Density (Air=1)	: N.D.
Viscosity	: N.D.	Percent Volatile by Vol	: N.D.
Boiling Point (°F)	: N.D.		

10. STABILITY AND REACTIVITY

GENERAL: **STABLE.**

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: **ACIDS, TIN, ZINC AND ALUMINUM.**

HAZARDOUS DECOMPOSITION PRODUCTS: **NONE.**

11. TOXICOLOGICAL INFORMATION

CARCINOGENIC INFORMATION: **N/E**

CAS#: **NONE** % WT.: **N/A**

IARC: **NOT LISTED** NTP: **NOT LISTED** OSHA: **NOT LISTED** ACGIH: **NOT LISTED** OTHER: **NOT LISTED**

12. ECOLOGICAL INFORMATION: N.D.

13. DISPOSAL CONSIDERATION

RCRA Hazard Class: **NOT LISTED.**

14. TRANSPORT INFORMATION:

DOT (Department of Transportation)

Proper Shipping Name: **COMPOUNDS CLEANING LIQUID, 8, NA1760, PG II (CONTAINS SODIUM HYDROXIDE).**

Hazard Class: **CORROSIVE** Identification Number: **NA1760**

15. REGULATORY INFORMATION

TSCA (Toxic Substance Control Act): **ALL COMPONENTS USED ARE LISTED IN THE TSCA INVENTORY.**

CERCLA (Comprehensive Environmental Response Compensation, and Liability Act)

IF MORE THAN 20,000 POUNDS OF THIS PRODUCT IS DISCHARGED TO THE ENVIRONMENT, CONTACT THE APPROPRIATE AUTHORITIES (CONTAINS SODIUM HYDROXIDE).

SARA TITLE III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories: **IMMEDIATE HEALTH HAZARD**

313 Reportable Ingredients: **NONE LISTED**

16. OTHER INFORMATION

REFERENCE: **PRODUCT FILE #F1026**

THE INFORMATION RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL. IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE.

N/A: Not Applicable

N/D: Not Determined

N/E: Not Established

* Where no corresponding data was contained in manufacturer's MSDS, additional research is required and is available upon request.

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