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MATERIAL SAFETY DATA SHEET

DATE PREPARED: 6/21/00 SW

1. CHEMICAL PRODUCT IDENTIFICATION **DUBOTH 4015**

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	NONE	2 PPM	NONE
MALEIC ACID	IRRITANT	110-16-7	NONE	NONE	NONE
POLY ACRYLIC ACID CO HYPO PHOSPHATE SODIUM SALT	IRRITANT	71050-62-9	NONE	NONE	NONE

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: **THIS PRODUCT IS CORROSIVE.**

POTENTIAL HEALTH EFFECTS

INHALATION: **MIST MAY BURN THE MUCOUS MEMBRANES.** EYE CONTACT: **CORROSIVE TO THE EYES.**

INGESTION: **MAY CAUSE GASTRIC DISTURBANCE.** CHRONIC: **NONE**

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

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

4. FIRST AID MEASURES

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

EYE CONTACT: **RINSE WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.** INGESTION: **DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.**

NOTES TO PHYSICIAN: **NONE.**

5. FIRE FIGHTING MEASURES

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

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

GENERAL HAZARD: **THIS IS A CORROSIVE SOLUTION.** FIRE FIGHTING EQUIPMENT: **WEAR SELF CONTAINED BREATHING APPARATUS.**

FIRE FIGHTING INSTRUCTIONS:

EXTINGUISHING MEDIA:

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

HAZARDOUS COMBUSTION PRODUCTS: **OXIDES OF CARBON AND NITROGEN.**

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 GUIDELINES.** WATER SPILL: **REPORT TO 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, PROTECT FROM FREEZING AND WASH AFTER HANDLING.**

8. EXPOSURE CONTROL/PERSONAL PROTECTION
 ENGINEERING CONTROLS: **GENERAL EXHAUST – USE WITH ADEQUATE VENTILATION.**
 PERSONAL PROTECTION: **GOGGLES.**
 RESPIRATOR: **NONE.** PROTECTIVE CLOTHING: **RUBBER GLOVES AND APRON.**

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure (mmHg)	:	N.D.	pH	:	11.0 – 12.0
Specific Gravity (Water=1)	:	1.11 – 1.15	Odor	:	SLIGHT ACRID
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 AND OXIDIZING AGENTS.**
 HAZARDOUS DECOMPOSITION PRODUCTS: **NONE**

11. TOXICOLOGICAL INFORMATION
 CARCINOGENIC INFORMATION: **N/E**
 CAS#: **N/A** % WT.: **N/A**
 IARC: **NOT LISTED** NTP: **NOT LISTED** OSHA: **NOT LISTED** ACGIH: **NOT LISTED** OTHER: **NOT LISTED**

12. ECOLOGICAL INFORMATION: **NONE.**

13. DISPOSAL CONSIDERATION
 RCRA Hazard Class: **NOT CONSIDERED A RCRA REGULATED WASTE..**

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 ARE LISTED IN THE TSCA INVENTORY.**
 CERCLA (Comprehensive Environmental Response Compensation, and Liability Act) **IF SPILLED, THIS PRODUCT IS SUBJECT TO REPORTING FOR OVER 33,000 POUNDS (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 #1027**

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.

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