MATERIAL SAFETY DATA SHEET

CONFIDENTIAL

Section I:

Manufactures Name: Walling Chemical Company
Address: 2008 Westport Ave., Box 408, Sioux Falls, SD 57117-0408
Phone #: 605-336-6710
Date Prepared: 12-11-86
Product Identity: BWT-270
Synonyms: Dispersant, sludge conditioner

Section II: Hazardous Ingredients/Identity Information

Hazardous Components	OSHAPEL	ACGIH-TLV	Flammability	LEL	UEL
Sodium Hydroxide	2mg/m^3	2mg/m^3	NA (0)	NA	NA
Sodium Polyacrylate	Not Listed	Not Listed	NA (0)	NA	NA
Sodium Ligno-sulfonate	Not Listed	Not Listed	NA (0)	NA	NA

Other Cited Data: None

Comments: Treat as a dilute caustic liquid

Section III: Physical/Chemical Characteristics

Boiling Point: Approx. 100°C
Specific Gravity (H_2O = 1): 1.03
Vapor Pressure: Unknown
Melting Point: Approx. 30°F
pH: 12-13
Evaporation Rate (Butyl acetate = 1): <1
Appearance and odor: Brown liquid, odorless

Section IV: Fire and Explosion Data

Flash Point: None
Extinguishing Media: Water, foam, dry chemical, CO_2
Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

Section V: Reactivity Data

Stability: Stable: Yes
Unstable: No
Conditions to avoid: None known

Incombatability: None known

ardous Decomposition or By Products None

Hazardous Polymerization: Will Occur - Will Not Occur X

Section VI: Health Hazard Data

Routes of Entry: Inhalation No Skin Yes Ingestion Yes

Health Hazards (Acute and Chronic) Eyes: Irritant may cause burns Skin: Irritant, burns with prolonged contact Ingestion: Low toxicity

Carcinogenicity: NTP No IARC No

OSHA Regulated No Other No

Signs and Symptoms of Exposure: Eyes: Irritation, burns Skin: Rash or minor burns Ingestion: Abdominal pain, nausea

Medical Conditions Aggravated by Exposure: None known

Emergency and First Aid Procedures: Eyes: Irrigate with flowing water immediately. Skin: Flush from skin with water. Remove contaminated clothing. Launder before reuse. Ingestion: Give water to dilute. Call a physician.

Section VII: Precautions for Safe Handling and Use.

Steps to be taken in case material is released or spilled: Contain and absorb on inert material. Transfer by shoveling into labeled drums. Hold for proper disposal method. Contact local authorities for advice.

Waste Disposal Method Follow Federal, State and local regulations.

Precautions to be taken in handling and storing: General good practice

...er precautions: None

Section VIII: Control Measures

Respiratory Protection: None needed

Ventilation: Local Exhaust NA Special NA
Mechanical (Type) NA Other NA

Protective Gloves Recommended Eye Protection Goggles

Other Eye wash

Comments: Treat as a dilute caustic solution.

References Used:

Third Annual Report on Carcinogens
NTIS
Research Triangle Park, NC

Fire Hazard Properties of Flammable Liquids, Gases, and Volatile Solids (1984)
NFPA
Batterymarch Park, Quincy, MA 02269

OSHA Safety and Health Standards
(29 CFR 1910) OSHA 2206
U.S. Dept. of Labor
Washington, D.C. 20402

Threshold Limit Values and Biological Exposure Indices For 1985-86
ACGIH, Cincinnati, OH 45211