

# MATERIAL SAFETY DATA SHEET

Complies with OSHA's 29 CFR  
1910.1200 and State Hazard  
Communication Standards.

Wet Technology  
30340 Newlander Court  
Lindstrom, MN 55045  
651-257-2855

Emergency Response Number:  
1-800-255-3924

## SECTION 1.

PRODUCT IDENTITY : Formula BWT 332

DATE PREPARED : August 2007

NFPA/HMIS HAZARD CODES (MINIMAL=0; SLIGHT=1; MODERATE=2; SERIOUS=3; SEVERE=4)  
Health: 3/3 Fire: 0/0 Reactivity: 1/1 Special: J

DOT SHIP CLASS: CORROSIVE LIQUID, N.O.S. - CONTAINS POTASSIUM HYDROXIDE  
R.Q. P.G. III

Emergency Response Guide Number: 60

## SECTION 2: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS#	OSHA/PEL	ACGIH/TLV	% BY WT.
Potassium Hydroxide 45%	1310-58-3	2 mg/M3 (ceiling)	2 mg/M3 (ceiling)	7-15%
Sodium Sulfite	7757-83-7	None Est.	None Est.	7-12%
Sodium Hexametaphosphate	10124-56-8	None Est.	None Est.	4-9%
Polymaleic Acid	26099-09-2	None Est.	None Est.	0-10%
Diethylaminoethanol	100-37-8	10 ppm (skin)	10 ppm (skin)	0-10%

Remainder of the components comprise of non-hazardous proprietary information

## SECTION 3: PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: 212 °F  
VAPOR PRESSURE: as water  
VAPOR DENSITY: as water  
SOLUBILITY IN WATER: complete  
SPECIFIC GRAVITY: 1.15-1.25  
PERCENT VOLATILE: 68-83  
EVAPORATION RATE: as water  
pH: >12

APPEARANCE/ODOR : Clear to Light Amber Liquid, Slight Odor.

## SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None

FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: Product will not burn.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: As with any strong alkaline solution, can react with metals, especially "soft" metals such as aluminum, zinc, tin, or galvanized metals except in accordance with product use instructions.

## SECTION 5: REACTIVITY DATA

STABILITY: Stable  
CONDITIONS TO AVOID: None  
INCOMPATIBILITY: Do not mix with acids, will neutralize active ingredients.  
Avoid contact with aluminum, zinc, tin, or galvanized metals except in accordance with product use instructions.  
HAZARDOUS DECOMPOSITION PRODUCTS: None

**SECTION 6: HEALTH HAZARD DATA****ROUTES OF ENTRY AND SYMPTOMS OF EXPOSURE:****ACUTE EFFECTS:**

Eyes: May cause severe burns; possible permanent eye damage, even blindness.  
 Skin: Irritant; prolonged contact may cause severe burns which may not be immediately painful or visible.  
 Ingestion: Severe burns to mucous membranes of mouth, throat and digestive tract.  
 Inhalation: Mists may cause irritation to nose, throat and respiratory tract; possible tissue damage

**CHRONIC EFFECTS:** Dermatitis

**CARCINOGENS:** None listed under OSHA, IARC or NTP.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing dermatitis

**EMERGENCY AND FIRST AID PROCEDURES:**

Eyes: Immediately flush with copious amounts of water for 15 minutes. Hold eyelids open to ensure complete rinse. Remove contact lenses if worn. Get immediate medical attention.  
 Skin: Flush with water for at least 15 minutes while removing clothing. Continue to rinse until "slippery" feeling is gone. Get medical attention if irritation persists or burns develop.  
 Ingestion: DO NOT INDUCE VOMITING. Give water or milk to dilute. Never give anything by mouth to an unconscious person. Get immediate medical attention.  
 Inhalation: Remove to fresh air. Get medical attention if irritation persists or symptoms develop later.

**SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE****SPILL OR LEAK PROCEDURES:**

**Small Spills:** Flush away with large amounts of water.

**Large Spills:** Dike to contain spill. Reclaim as much as possible. Absorb remainder with inert materials. Flush residue away with water. Prevent wash water from entering natural waterways or public water supplies.

**Waste Disposal Method:** Trained and properly equipped personnel may dilute and neutralize waste very carefully with dilute acid and dispose of in accordance with Federal, State, and local regulations.

**Handling and Storage:** Read label before using. Do not contaminate food or feed by use or storage of this product. Keep from freezing. Store only in original container and keep closed while not in use.

**Other Precautions:** Avoid skin and eye contact. Keep out of reach of children. Read and follow label instructions.

**SECTION 8: CONTROL MEASURES**

**RESPIRATORY PROTECTION:** Use NIOSH approved dust or mist respirator if mist in air causes irritation or exceeds exposure limits.

**VENTILATION:** Normally none required. Mechanical exhaust as needed if mist in air.

**GLOVES:** Rubber or plastic

**EYE PROTECTION:** Splash proof goggles or chemical safety glasses. Provide for full eye protection.

**OTHER PROTECTIVE EQUIPMENT:** As needed to prevent prolonged or repeated skin contact.

**WORK/HYGENIC PRACTICES:** Wash thoroughly after handling. Launder contaminated clothing before reuse. Do not wear clothing soaked with product.

**SECTION 9: SARA TITLE III REGULATORY INGREDIENT INFORMATION**

1. Title III Section 302/304 Extremely Hazardous Substance List and/or CERCLA Hazardous Substance List.

<b>Component:</b>	Potassium Hydroxide 45%	Maleic Acid
<b>CAS #:</b>	1310-58-3	110-16-7
<b>Percent :</b>	7-15%	0-10%
<b>T.B.Q.:</b>	1,000 lbs.	5,000 lbs.
<b>R.Q.:</b>	1,000 lbs.	5,000 lbs.

2. Title III Section 313 Toxic Chemicals Annual Release Reporting Requirements (SARA Section 313 Toxic Chemicals List).

<b>Component:</b>	Potassium Hydroxide 45%	Maleic Acid
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