

# MATERIAL SAFETY DATA SHEET

## • Section 1 - PRODUCT IDENTIFICATION

<b>Manufacturer's Name</b> DEARBORN DIVISION, W. R. Grace & Company	<b>Emergency Phone No</b> 312/438-8241
<b>Address</b> 300 Genesee St., Lake Zurich, IL 60047	
<b>Synonyms</b> Cooling water treatment	<b>Trade Name or Code Ident</b> POLYMATE 988

## • Section 2 - HAZARDOUS INGREDIENTS

CAS NO.

%

EXPOSURE CRITERIA

Potassium hydroxide (45%)	1310-58-3	< 8	Ceiling limit: 2 mg/m <sup>3</sup>
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HMIS Code: 3-0-0

## • Section 3 - PHYSICAL DATA

Boiling Point, 760mm Hg	> 212°F	Melting Point	NA
Specific Gravity(H <sub>2</sub> O=1)	1.04	Vapor Pressure A 25° approx	22 mm Hg
Vapor Density (Air=1)	ND	Solubility in H <sub>2</sub> O(% by Wt.)	Appreciable
% Volatiles by Volume	ND	Evaporation Rate (Bu Ac=1)	< 1
Appearance & Odor: Yellow liquid		pH	13.0

## • Section 4 - FIRE & EXPLOSION HAZARD DATA

Flash Point(and Method Used)	Flammable Limits in Air, % by Volume	Auto Ignition Temperature
NA, water-based product	<div style="display: flex; justify-content: space-between;"> <span>Lower NA</span> <span>Upper NA</span> </div>	NA

### EXTINGUISHING

MEDIA ☐ Water Fog ☒ Foam ☒ CO<sub>2</sub> ☒ Dry Chemical ☐ Other

### SPECIAL FIRE FIGHTING PROCEDURES

Firefighters should wear full protective gear.  
 Alkaline, corrosive liquid

### UNUSUAL FIRE AND EXPLOSION HAZARD

None special

## • Section 5 - REACTIVITY DATA

<b>Stability(Normal Conditions)</b> <input checked="" type="radio"/> Stable <input type="radio"/> Unstable	<b>CONDITIONS TO AVOID</b> ND
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### INCOMPATIBILITY(Materials to Avoid)

Acids, strong oxidizers

### HAZARDOUS DECOMPOSITION PRODUCTS

Not determined

### HAZARDOUS POLYMERIZATION

CONDITIONS TO AVOID

☒ May Occur ☒ Will Not Occur

NA

MATERIAL SAFETY DATA SHEET (Continued)  
Section 6 - HEALTH HAZARD INFORMATION  
EXPOSURE LIMIT

Not established

EFFECTS OF OVEREXPOSURE

INHALATION

Alkaline, corrosive liquid - avoid breathing vapors or mist. Remove affected persons to fresh air and consult a physician immediately.

INGESTION

If person is conscious, give water or citrus juice immediately. Contact a physician.

SKIN OR EYE CONTACT

Corrosive alkaline liquid. Prolonged contact can be destructive to tissue. Skin contact: wash affected area thoroughly with soap and water. Remove contaminated clothing. Eye contact: flush eyes with large amounts of water for 15 minutes. Contact physician.

EMERGENCY AND FIRST AID PROCEDURES

Treat as alkaline, corrosive liquid.

Section 7 - SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS

Mechanical exhaust should be adequate.

RESPIRATORY PROTECTION (Specify Type)

None special - do not breathe vapors or mist.

EYE PROTECTION

Goggles or face shield

GLOVES (Specify Type)

Rubber or plastic

OTHER PROTECTIVE CLOTHING AND EQUIPMENT (Specify Type)

None special

Section 8 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Wear protective clothing. Collect using absorbent, place in container for proper disposal. Flush area of spill with water.

WASTE DISPOSAL METHOD

Dispose using authorized scavenger service by incineration or use of designated landfill. For additional disposal instructions, contact your state water pollution control agency. This product IS an EPA Hazardous Waste. (Corrosive - D002).

Section 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

For industrial use only. Keep containers closed when not in use.

OTHER PRECAUTIONS

Avoid contact with skin, eyes and clothing. Clean up spills immediately.

Shipping Name: DOT Alkaline Corrosive, Liquid, n.o.s. Corrosive NA 1719  
IATA

The data included herein are presented according to W. R. Grace & Co.'s practices current at the time of preparation hereof, are made available solely for the consideration, investigation and verification of the original recipients hereof and do not constitute a representation of warranty for which Grace assumes legal responsibility. It is the responsibility of a recipient of this data to remain currently informed of chemical hazard information, to design and update its own safety procedures and to comply with all national, federal, state, and local laws and regulations applicable to safety, occupational health, right to know and environmental protection.

Prepared by S. Morss

Date 5/86