

# MATERIAL SAFETY DATA SHEET

• Section 1 - PRODUCT IDENTIFICATION

Manufacturer's Name DEARBORN DIVISION, W. R. Grace & Company	Emergency Phone No. 312/438-8241
Address 300 Genesee St., Lake Zurich, IL 60047	
Synonyms Boiler water treatment	Trade Name or Code Ident. AQUA-SERV® B-234

• Section 2 - HAZARDOUS INGREDIENTS

CAS NO.	%	EXPOSURE CRITERIA
Sodium hydroxide (50%)	1310-73-2	< 10 Ceiling limit - 2 mg/m <sup>3</sup>
Sodium nitrite	7631-90-5	< 30 --

NFPA Code: 2-0-0

• Section 3 - PHYSICAL DATA

Boiling Point, 760mm Hg	212°F.	Melting Point	NA
Specific Gravity(H <sub>2</sub> O=1)	1.27	Vapor Pressure @ 25°C. approx.	13 mm Hg
Vapor Density (Air=1)	ND	Solubility in H <sub>2</sub> O(% by Wt.)	complete
% Volatiles by Volume	ND	Evaporation Rate (Bu Ac=1)	< 1
Appearance & Odor:	Yellow liquid		pH 13 - 14

• Section 4 - FIRE & EXPLOSION HAZARD DATA

Flash Point(and Method Used)	Flammable Limits in Air, % by Volume	Auto Ignition Temperature
None, water-based product	Lower NA Upper NA	NA

EXTINGUISHING

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

SPECIAL FIRE FIGHTING PROCEDURES

Firefighters should wear full protective gear including self-contained breathing apparatus.  
Alkaline, corrosive product.

UNUSUAL FIRE AND EXPLOSION HAZARD

None

• Section 5 - REACTIVITY DATA

Stability(Normal Conditions)	CONDITIONS TO AVOID
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Stable  Unstable

INCOMPATIBILITY(Materials to Avoid)

Strong acids

HAZARDOUS DECOMPOSITION PRODUCTS

CO, CO<sub>2</sub>, nitrogen oxides

HAZARDOUS POLYMERIZATION

CONDITIONS TO AVOID

May Occur  Will Not Occur

(over)

●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 UN 1719

IATA

Prepared by S. Morss

Date 5/86

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