

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 Cooling water treatment	Trade Name or Code Ident DAS B-239

Section 2 - HAZARDOUS INGREDIENTS	CAS NO.	%	EXPOSURE CRITERIA
Sodium nitrite	7632-00-0	< 15	--
Sodium hydroxide	1310-73-2	< 12	Ceiling limit - 2 mg/m ³
NFPA Code: 1-0-0			

Section 3 - PHYSICAL DATA			
Boiling Point, 760mm Hg	> 212°F.	Melting Point	NA
Specific Gravity(H ₂ O=1)	1.24	Vapor Pressure @ 25°C. approx.	17 mm Hg
Vapor Density (Air=1)	NK	Solubility in H ₂ O(% by Wt.)	complete
% Volatiles by Volume	NK	Evaporation Rate (Bu Ac=1)	< 1
Appearance & Odor	Red liquid; no distinct odor		pH 12.0 ± 1.0

Section 4 - FIRE & EXPLOSION HAZARD DATA		
Flash Point(and Method Used)	Flammable Limits in Air, % by Volume	Auto Ignition Temperature
NA, water based product	Lower NA Upper NA	NA

EXTINGUISHING MEDIA Water Fog Foam CO₂ Dry Chemical Other

SPECIAL FIRE FIGHTING PROCEDURES
 None special - keep drums cool with water spray so they don't rupture; alkaline product.

UNUSUAL FIRE AND EXPLOSION HAZARD
 None

Section 5 - REACTIVITY DATA	
Stability(Normal Conditions) <input checked="" type="radio"/> Stable <input type="radio"/> Unstable	CONDITIONS TO AVOID
INCOMPATIBILITY(Materials to Avoid) Avoid direct contact with strong acids and oxidizing agents.	

HAZARDOUS DECOMPOSITION PRODUCTS
 CO, CO₂, oxides of nitrogen

HAZARDOUS POLYMERIZATION	CONDITIONS TO AVOID
<input type="radio"/> May Occur <input checked="" type="radio"/> Will Not Occur	NA

MATERIAL SAFETY DATA SHEET (Continued)

•Section 6 - HEALTH HAZARD INFORMATION

EXPOSURE LIMIT

Not established

EFFECTS OF OVEREXPOSURE

INHALATION Not expected

INGESTION Harmful if swallowed. In case of ingestion, encourage vomiting using a mild emetic. After vomiting occurs, provide as much milk to drink as can be tolerated.

SKIN OR EYE CONTACT Alkaline liquid. Avoid eye contact & excessive contact with skin.
Eye contact: flood with water for 15 minutes; contact physician.
Skin contact: wash off skin with water; change contaminated clothing.

EMERGENCY AND FIRST AID PROCEDURES

Alkaline product - see above

•Section 7 - SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS

Mechanical exhaust should be adequate

RESPIRATORY PROTECTION (Specify Type)

None required

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 for alkaline product. Dike spill & soak up on an inert absorbent or flush into approved disposal system.

WASTE DISPOSAL METHOD Dispose using chemical scavenger service in authorized landfill. For additional disposal instructions, contact your state water pollution control agency. This product is NOT an EPA Hazardous Waste.

•Section 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE Protect drums from freezing and from physical damage. Freezes at -2°F.

OTHER PRECAUTIONS For industrial use only.

Shipping Name:

DOT
IATA

Compound Industrial Process Water Treating Liquid

Prepared by S. Morss

Date 5/86

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