

Summing Post
~~SECRET~~
Boiler/Air Cond

MATERIAL SAFETY DATA SHEET

● Section 1 – PRODUCT IDENTIFICATION

MANUFACTURER'S NAME DEARBORN CHEMICAL CO., Subsidiary, W. R. Grace & Co.	EMERGENCY PHONE NO. 312/438-8241
ADDRESS 300 Genesee St., Lake Zurich, IL 60047	
CHEMICAL NAME AND SYNONYMS Cooling water treatment	TRADE NAME OR CODE IDENT. DEARBORN® 524

● Section 2 – INGREDIENTS

	CAS No.	%	EXPOSURE CRITERIA
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Sodium nitrite	7632-00-0	< 60	
Sodium hydroxide	1310-73-2	< 5	
Sodium borate	1330-43-4	< 40	

1-0-1

● Section 3 – PHYSICAL DATA

BOILING POINT, 760mm Hg	N/A	MELTING POINT	N/K
SPECIFIC GRAVITY (H ₂ O = 1) Density	10 lbs/gal	VAPOR PRESSURE	N/A
VAPOR DENSITY (AIR = 1)	N/A	SOLUBILITY IN H ₂ O, % BY WT.	Appreciable
% VOLATILES BY VOLUME	N/A	EVAPORATION RATE, _____ = 1	N/A
APPEARANCE AND ODOR	white powder with no specific odor	pH	N/A

● Section 4 – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (and Method Used) None	FLAMMABLE LIMITS in AIR, % by VOLUME LOWER UPPER	AUTO IGNITION TEMPERATURE
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EXTINGUISHING MEDIA Water Fog Foam CO₂ Dry Chemical Other

SPECIAL FIRE FIGHTING PROCEDURES

UNUSUAL FIRE AND EXPLOSION HAZARD

● Section 5 – REACTIVITY DATA

STABILITY (Normal Conditions) <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	CONDITIONS TO AVOID
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INCOMPATIBILITY (Materials to Avoid) Avoid direct contact with oxidizable substances.

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	CONDITIONS TO AVOID
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(over)

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MATERIAL SAFETY DATA SHEET (Continued)

● Section 6 -- HEALTH HAZARD INFORMATION

EXPOSURE LIMIT

Not established

EFFECTS OF OVEREXPOSURE

INHALATION

May irritate nasal passages.

INGESTION

Harmful if swallowed. If ingested, induce vomiting with mild emetic and follow with copious liquids. Call a physician.

SKIN OR EYE CONTACT

Mildly alkaline - skin irritant on prolonged or repeated contact. Brush off skin then wash with water. Remove clothing in case of contact. If eyes are affected, flood with water for 15 minutes, seek medical attention.

EMERGENCY AND FIRST AID PROCEDURES

● Section 7 - SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS

Mechanical exhaust is adequate.

RESPIRATORY PROTECTION (Specify Type)

Use adequate respirator for dusting - 3M #8710 or equal has been suggested for similar use.

EYE PROTECTION

Goggles

GLOVES (Specify Type)

Cloth or plastic

OTHER PROTECTIVE CLOTHING AND EQUIPMENT (Specify Type)

● Section 8 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Sweep up and return to container for use if not contaminated. Discard contaminated product as noted under disposal instructions below.

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 (Reactive- D003)

● Section 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container closed and dry.

OTHER PRECAUTIONS

For industrial use only. Keep out of reach of children.

Shipping Name: DOT
IATA

OXIDIZER: Sodium Nitrite Mixtures-Oxidizing Material

Prepared By W. M. Morris

Date: 2/79 Rev. 6/84