

# Material Safety Data Sheet

Emergency Phone  
312-438-8241

## Section 1 Product Identification

TRADE NAME	DEARBORN 537	PRODUCT TYPE	Cooling Water treatment	CODE IDENT.	11-674
DOT SHIPPING NAME	Compound Industrial Process Water Treating Liquid				

## Section 2 Hazardous Ingredients

	CAS NUMBER	%	EXPOSURE CRITERIA
Sodium nitrite	7632-00-0	< 15	not established
Sodium hydroxide (50%)	1310-73-2	< 6	Ceiling limit: 2 mg/m <sup>3</sup>
Sodium borate	1310-43-4	< 10	not established

## Section 3 Physical Data

HIMS	2-0-0	EPA REGISTRATION NO.	NA
BOILING POINT, 760 mm Hg	> 212 F	MELTING POINT	NA
FREEZING POINT	0F	VAPOR PRESSURE	17mm Hg
SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.16	SOLUBILITY IN H <sub>2</sub> O	complete
VAPOR DENSITY (AIR=1)	ND	EVAPORATION RATE, (Bu Ac=1)	< 1
% VOLATILES BY VOLUME	ND	pH	12.1

### APPEARANCE & ODOR

clear liquid, no distinct odor

## Section 4 Fire & Explosion Hazard Data

FLASH POINT (& METHOD USED)	FLAMMABLE LIMITS IN AIR % BY VOLUME		AUTO IGNITION TEMPERATURE
NA, water based-product	LOWER	UPPER	NA
	NA	NA	

EXTINGUISHING MEDIA: FOAM CO<sub>2</sub> DRY CHEMICAL

### SPECIAL FIRE FIGHTING PROCEDURES:

Alkaline liquid - keep drums cool & intact  
Firefighters should wear full protective gear.

### UNUSUAL FIRE AND EXPLOSION HAZARD:

none known

## Section 5 Reactivity Data

STABILITY (NORMAL CONDITIONS)	CONDITIONS TO AVOID
Stable	Not determined

### INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing agents, acids

### HAZARDOUS DECOMPOSITION PRODUCTS

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

HAZARDOUS POLYMERIZATION	CONDITIONS TO AVOID
Will not occur	Not applicable

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**Section 6 Health Hazard Information**

## TOXICITY INFORMATION:

no TLV established for product, see section 2 for component information.

## EFFECTS OF OVEREXPOSURE:

INHALATION: Alkaline liquid, avoid breathing vapors or mist which may irritate respiratory tract.

INGESTION: Harmful if swallowed.

SKIN CONTACT: Prolonged or frequent skin contact may cause irritation.

EYE CONTACT: Alkaline liquid - avoid eye contact.

## EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove affected persons to fresh air and treat symptoms.

INGESTION: Encourage vomiting using a mild emetic. After vomiting, provide as much milk as can be tolerated. Seek physician.

SKIN CONTACT: Wash off area and remove contaminated clothing. Wash before reuse.

EYE CONTACT: Flood eyes with water for 15 minutes and seek medical attention

**Section 7 Special Protection Information**

## VENTILATION REQUIREMENTS

Mechanical ventilation should be adequate

## RESPIRATORY PROTECTION (SPECIFY TYPE)

None special-avoid breathing vapors or mist

## EYE PROTECTION

Goggles or face shield

## GLOVES

Rubber or plastic

## OTHER PROTECTIVE CLOTHING AND EQUIPMENT

Alkali resistant clothing.

**Section 8 Spill or Leak Procedures**

## STEPS TO TAKE 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 chemical scavenger service in authorized landfill. For additional disposal instructions, contact your state water pollution control agency.

**Section 9 Special Precautions**

## PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Protect from freezing and from physical damage. Vent drum carefully before removing bung to avoid sprays. Store containers closed when not in use.

## OTHER PRECAUTIONS

For industrial use only.

PREPARED BY: S. Morss

DATE: 1/19/88

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