

# MATERIAL SAFETY DATA SHEET

*Boilers*

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME <p align="center">Rochester Midland</p>		EMERGENCY TELEPHONE NO. <p align="center">716-266-2250</p>
ADDRESS (Number, Street, City, State, and ZIP Code) <p align="center">333 Hollenbeck Street, Rochester, NY 14621</p>		
CHEMICAL NAME AND SYNONYMS <p align="center">None</p>		TRADE NAME AND SYNONYMS <p align="center">Cl-2</p>
CHEMICAL FAMILY <p align="center">Corrosion Inhibitor</p>	FORMULA <p align="center">Mixture</p>	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	N.A.		BASE METAL	N.A.	
CATALYST	N.A.		ALLOYS	N.A.	
VEHICLE	N.A.		METALLIC COATINGS	N.A.	
SOLVENTS	N.A.		FILLER METAL PLUS COATING OR CORE FLUX	N.A.	
ADDITIVES	N.A.		OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
N.A.					

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	212	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.23
VAPOR PRESSURE (mm Hg.)	as water	PERCENT VOLATILE BY VOLUME (%)	67
VAPOR DENSITY (AIR=1)	as water	EVAPORATION RATE (_____ = 1)	as water
SOLUBILITY IN WATER	complete		
APPEARANCE AND ODOR	Pale yellow liquid		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	N.A.	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	N.A.			
SPECIAL FIRE FIGHTING PROCEDURES	N.A.			
UNUSUAL FIRE AND EXPLOSION HAZARDS	N.A.			

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	N.A.
EFFECTS OF OVEREXPOSURE	If Ingested: uneven heart action, tremors, dizziness and nausea. On Skin: temporarily yellow skin in lengthy exposure.
EMERGENCY AND FIRST AID PROCEDURES	Immediately flush skin or eyes with water for 15 min. Seek medical attention for eyes. If ingested, dilute & induce vomiting by giving several glasses of water, milk or egg whites. Get prompt medical attention.

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	acidic materials
INCOMPATIBILITY (Materials to avoid)		Acidic materials	
HAZARDOUS DECOMPOSITION PRODUCTS		Oxides of nitrogen fumes	
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	Avoid contact with skin or eyes. Do not take internally. Use protective equipment, rubber gloves, goggles as required. Mop up spills. Flush contaminated area with water.
WASTE DISPOSAL METHOD	Small quantities may usually be flushed to the sewer. Comply with all disposal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (Specify type)			
VENTILATION	LOCAL EXHAUST	N.A.	SPECIAL
	MECHANICAL (General)	N.A.	OTHER
PROTECTIVE GLOVES		EYE PROTECTION	
Rubber gloves		Goggles or face shield	
OTHER PROTECTIVE EQUIPMENT			
As needed to avoid body contact			

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Store in a cool dry place away from acids.
OTHER PRECAUTIONS	

333 HC    IBECK STREET  
 P.O. BOX 266  
 ROCHESTER, NEW YORK 14601  
 DLAND INDUSTRIAL PRODUCTS  
 WATER-ENERGY DIVISION OF R.G.C.

Trade Name: CS2      Boilers      Formula No. Proprietary  
 Synonyms: \_\_\_\_\_  
 Chemical Family: Liquid organic inorganic bler

**SECTION 2 - HAZARDOUS INGREDIENTS**

MATERIAL OR COMPONENT	%
N/A	

**SECTION 3 - PHYSICAL PROPERTIES**

Bolling Point, 760 MM HG ---	Melting Point ---
Specific Grav. (H <sub>2</sub> O=1) @60°C      1.26-1.27	Vapor Pressure ---
Vapor Density (Air=1) ---	Solubility in H <sub>2</sub> O, % By Wt. <b>Soluble</b>
% Volatiles By Vol. ---	<del>XXXXXXXXXXXXXXXXXXXX</del> pH 6.0-6.5
Appearance and Odor <b>Liquid with slight ammonia odor</b>	

**SECTION 4 - FLAMMABILITY AND EXPLOSIVE PROPERTIES**

Flash Point (Test Method) <b>None</b>			
Flammable Limits in Air, % By Vol.	Lower	Upper	
Extinguishing Media <b>CO<sub>2</sub>, Dry Chemical, water, foam</b>			
Special Fire Fighting Procedures <b>None</b>			
Unusual Fire and Explosion Hazard <b>None</b>			

**SECTION 5 - HEALTH HAZARD DATA**

Threshold Limit Value <b>None</b>
Effects of Overexposure <b>May be irritating to eyes and skin</b>
<b>EMERGENCY AND FIRST AID PROCEDURES</b>
Eyes: <b>Wash with water for 15 minutes - call a physician.</b>
Skin: <b>Wash with plenty of water.</b>
Ingestion: <b>Induce vomit - call a physician.</b>
Inhalation: <b>Remove from exposure. Treat symptoms.</b>

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333 HOLLENBECK STREET

P.O. BOX 266

ROCHESTER, NEW YORK 14601

MIDLAND INDUSTRIAL PRODUCTS

WATER-ENERGY DIVISION OF R.G.C.

Product CS-2

SECTION 6 - REACTIVITY DATA

Stability: Stable  Unstable  Conditions to Avoid

Materials to Avoid None

Hazardous Decomposition Products None

Hazardous Polymerization: Will Not Occur  May Occur  Conditions to Avoid

SECTION 7 - SPILL OR LEAK PROCEDURES

Steps to Take in Case Material is Released or Spilled Wash down with water

Waste Disposal Method No special method

SECTION 8 - SPECIAL PROTECTION INFORMATION

Type of Respiratory Protection Required None

Ventilation: Local Exhaust ; Mechanical (General) ; Special (Specify) Other (Specify)

Protective Gloves Rubber Eye Protection Goggles

Other Protective Equipment None

SECTION 9 - SPECIAL PRECAUTIONS

Handling and Storage Precaution Avoid contact with skin and eyes. Do not take internally.

Other Precautions None

Prepared By

*[Handwritten Signature]*

Title

Toxicology & Industrial Hygiene Consultant Date

9/76

