

Boiler/Air Cond

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

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

SECTION I

MANUFACTURER'S NAME METROPOLITAN REFINING CO., INC.	EMERGENCY TELEPHONE NO. 212-729-7200
ADDRESS (Number, Street, City, State, and ZIP Code) 50-23 23rd St., Long Island City, N.Y. 11101	
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS VAPORENE L
CHEMICAL FAMILY ORGANO SULPHUR COMPOUND	FORMULA Water solution of di Sodium cyanodithioimido carbonate and po

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS		%	TLV (Units)	
			BASE METAL				
PIGMENTS							
CATALYST							
VEHICLE							
SOLVENTS							
ADDITIVES							
OTHERS							
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES						%	TLV (Units)
Di sodium cyanodithioimido carbonate						3.68	
Potassium N - Methyl dithio carbonate						5.07	

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	212°F	SPECIFIC GRAVITY (H ₂ O=1)	1.07
VAPOR PRESSURE (mm Hg.)	760	PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (- Water = 1)	1.0
SOLUBILITY IN WATER	Complete		
APPEARANCE AND ODOR	A pale yellow liquid with characteristic odor.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	NONE	FLAMMABLE LIMITS		
EXTINGUISHING MEDIA	N/A	NOT FLAMMABLE		
SPECIAL FIRE FIGHTING PROCEDURES	N/A			
UNUSUAL FIRE AND EXPLOSION HAZARDS	N/A			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: NOT KNOWN

EFFECTS OF OVEREXPOSURE: CAUSES EYE DAMAGE AND SKIN IRRITATION. HARMFUL OR FATAL IF SWALLOWED.

EMERGENCY AND FIRST AID PROCEDURES: In case of contact flush eyes or skin with plenty of water for 15 minutes. If swallowed, give patient doses of powdered charcoal or raw egg white, milk gruel or flour and water. INDUCE VOMITING - CALL A PHYSICIAN.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY (Materials to avoid): ACIDS

HAZARDOUS DECOMPOSITION PRODUCTS: HYDROGEN SULPHITE

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: Remove to chemical waste area. Do not contaminate water by cleaning or disposal of wastes. This product is toxic to fish. Do not discharge into lakes, streams, or pond.

WASTE DISPOSAL METHOD: Do not reuse empty drums. Bury in a safe place.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type): NONE

VENTILATION	LOCAL EXHAUST		SPECIAL
	MECHANICAL (General)		OTHER

PROTECTIVE GLOVES: WEAR GLOVES

EYE PROTECTION: WEAR SAFETY GOGGLES

OTHER PROTECTIVE EQUIPMENT:

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: See Section VII

OTHER PRECAUTIONS: Use normal good housekeeping practices.