

MATERIAL SAFETY DATA SHEET

000453

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 tassium N methyl dithio carbonate	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
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	NOT FLAMMABLE	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	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.