

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

Form Approved
OHA No. 44-R-1387

MATERIAL SAFETY DATA SHEET

000455

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 Street, Long Island City, New York 11101		
CHEMICAL NAME AND SYNONYMS CHROMATE CORROSION INHIBITOR		TRADE NAME AND SYNONYMS VAPORENE B-3 LIQUID
CHEMICAL FAMILY CHROMATE CORROSION INHIBITOR	FORMULA A WATER SOLUTION OF SODIUM CHROMATE	

SECTION II - HAZARDOUS INGREDIENTS

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

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	250	SPECIFIC GRAVITY (H ₂ O=1)	1.20
VAPOR PRESSURE (mm Hg.)	-	PERCENT VOLATILE BY VOLUME (%)	70%
VAPOR DENSITY (AIR=1)	-	EVAPORATION RATE (Water=1)	1.0
SOLUBILITY IN WATER	Complete		
APPEARANCE AND ODOR	An orange liquid - no odor.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	NA	FLAMMABLE LIMITS	NA	Let	Uel
EXTINGUISHING MEDIA	NA				
SPECIAL FIRE FIGHTING PROCEDURES	NA				
UNUSUAL FIRE AND EXPLOSION HAZARDS	NA				

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

0.1 mg/cubic meter

EFFECTS OF OVEREXPOSURE

Slight irritant to skin. Can cause irritation and conjunctivitis in contact with eyes. May be fatal if swallowed in excessive amounts.

EMERGENCY AND FIRST AID PROCEDURES

Skin - Flush with water.

Eyes - Flush with water for 15 minutes. Get medical attention.

Swallowed - Give magnesia, follow with emetic, get medical attention.

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

INCOMPATIBILITY (Materials to avoid)

Strong acids and oxidizable materials.

HAZARDOUS DECOMPOSITION PRODUCTS

None

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

FLUSH WITH WATER.

WASTE DISPOSAL METHOD

FLUSH WITH WATER.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

NA

VENTILATION

LOCAL EXHAUST

NA

SPECIAL

NA

MECHANICAL (General)

NA

OTHER

PROTECTIVE GLOVES

Wear rubber gloves.

EYE PROTECTION

Wear goggles.

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

NORMAL GOOD HOUSEKEEPING PRACTICES.

OTHER PRECAUTIONS