

# MATERIAL SAFETY DATA SHEET

000451

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

## SECTION I

MANUFACTURER'S NAME <b>METROPOLITAN REFINING CO., INC.</b>		EMERGENCY TELEPHONE NO. <b>212-729-7200</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>50-23 23rd Street, Long Island City, New York 11101</b>		
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS <b>LIQUID DUBOTH 150</b>	
CHEMICAL FAMILY <b>CHROMATE CORROSION INHIBITOR</b>	FORMULA <b>A WATER SOLUTION OF SODIUM CHROMATE and Sodium Hexametaphosphate.</b>	

## 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 <sub>2</sub> 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	Lel	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 gloves.		
OTHER PROTECTIVE EQUIPMENT		EYE PROTECTION Wear goggles.		

**SECTION IX - SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

NORMAL GOOD HOUSEKEEPING PRACTICES.

OTHER PRECAUTIONS