

MATERIAL SAFETY DATA SHEET

000150

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, N.Y. 11101		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS STEROKLEEN
CHEMICAL FAMILY Inorganic Salt	FORMULA Chlorinated Tri-Sodium Phosphate	

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)
None					

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	-	SPECIFIC GRAVITY (H ₂ O=1)	2.5
VAPOR PRESSURE (mm Hg.)	-	PERCENT, VOLATILE BY VOLUME (%)	-
VAPOR DENSITY (AIR=1)	-	EVAPORATION RATE (_____ =1)	0
SOLUBILITY IN WATER	15%		
APPEARANCE AND ODOR			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) Non-flammable	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

UNKNOWN

EFFECTS OF OVEREXPOSURE

May be irritating to skin and eyes.

EMERGENCY AND FIRST AID PROCEDURES

EYES-Flush with water for 15 min. Get medical aid.

SKIN- Wash with water.

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

STABLE

CONDITIONS TO AVOID

Organic Materials and Acids.

X

INCOMPATIBILITY (Materials to avoid)

Organic Acids and Acids.

HAZARDOUS DECOMPOSITION PRODUCTS

Chlorine, Chlorine Oxides

HAZARDOUS POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

CONDITIONS TO AVOID

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 TO SEWER WITH EXCESSIVE AMOUNTS OF WATER.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

DUST MASK

VENTILATION

LOCAL EXHAUST

SPECIAL

NO

MECHANICAL (General)

OTHER

PROTECTIVE GLOVES

WEAR GLOVES

EYE PROTECTION

WEAR CHEMICAL GOGGLES

OTHER PROTECTIVE EQUIPMENT

FULL COVER CLOTHING

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

STORE IN DRY AREA.

NORMAL GOOD HOUSEKEEPING PRACTICES

OTHER PRECAUTIONS

5020-5027

Boilers



METROPOLITAN REFINING CO., INC.

OFFICES, PLANT AND LABORATORIES

50-23 TWENTY THIRD ST. • LONG ISLAND CITY, N. Y. 11101

STEROKLEEN

SANITIZING CLEANER FOR RECIRCULATING WATER SYSTEMS

DESCRIPTION: STEROKLEEN is an all-purpose, detergent cleaner and sanitizing agent for cleaning and removing organic growths from cooling towers, evaporative condensers, air-washers and other recirculating water systems.

USE: STEROKLEEN removes oil, dirt, organic matter and slime growths by thoroughly cleaning and sanitizing the system. It can also be used for surface cleaning walls, floors or other equipment.

GENERAL SPECIFICATIONS:

Appearance	— White free-flowing powder
Odor	— Slight pungent
ph of 1% Solution	— Approx. 11.0
Density	— 50 lbs. per cu. ft.
Solubility in Water	— Approx. 1 lb. per gallon at 70°F

DOSAGE: STEROKLEEN is used at the rate of 5 pounds per 100 gallons of water in the recirculating system.

- METHOD OF FEED:**
1. While unit is in operation, turn off fans and add required amount of STEROKLEEN directly to pan close to suction piping where there is maximum circulation or through a by-pass feeder directly into the system.
 2. Circulate for 3-4 hours. Allow sprays on air-washers to operate.
 3. Hose down equipment. Flush with a strong stream of water while draining.
 4. Flush until flush water is neutral.
 5. For surface cleaning and sanitizing, use one pound dissolved in a 10 quart bucket of water.

PACKAGING: Available in polyethylene-lined, openhead, fibreboard drums.

300 lbs. — 136 kg
100 lbs. — 45 kg