



Materials Safety Data Sheet
IRON, STEEL & NICKEL BLACKENER

I PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED): JAX IRON, STEEL AND NICKEL BLACKENER

CHEMICAL NAMES, COMMON NAMES: NONE

SYNONYMS: NONE

MANUFACTURER'S NAME: JAX Chemical Company, Inc.

ADDRESS: 78-11 267th Street, Floral Park, New York 11004

BUSINESS PHONE: 718-347-0057

II HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS #	% w/w	EXPOSURE LIMITS IN AIR	
			TLV ACGIH	PEL OSHA
Nitric Acid	7697-37-2	> 1.0	2 ppm	2 ppm
Selenious Acid	7783-00-8	> 1.0	0.2 mg/m ³	0.2 mg(Se)/m ³
Copper Sulfate	7758-98-7	0.5-2.5	1 mg(Cu)/m ³	1.0 mg(Cu)/m ³

THE REMAINING 93 to 97 % INGREDIENTS ARE NON-HAZARDOUS

III PHYSICAL PROPERTIES

VAPOR DENSITY: NO DATA EVAPORATION RATE (WATER = 1): SIMILAR TO WATER
SPECIFIC GRAVITY: 1.02 MELTING POINT or RANGE: LESS THAN 32° F
SOLUBILITY IN WATER: SOLUBLE BOILING POINT: GREATER THAN 212° F
VAPOR PRESSURE, mm Hg @ 20 C: NO DATA
APPEARANCE & COLOR: LIGHT BLUE LIQUID pH: 1.7

HOW TO DETECT THIS SUBSTANCE (warning properties): At room temperature this product is light blue liquid with no odor. No unusual warning properties.

IV FIRE and EXPLOSION

THIS PRODUCT IS NON-FLAMMABLE AND NON-COMBUSTIBLE

FLASH POINT, F (method): N/A
AUTOIGNITION TEMPERATURE, F: N/A
FLAMMABLE LIMITS in air by volume, %: lower N/A upper N/A
FIRE EXTINGUISHING MATERIALS:
water spray: OK carbon dioxide: OK foam: OK
dry chemical: OK halon: OK other:

SPECIAL FIRE FIGHTING PROCEDURES: If involved in fire, use water spray.
Fire Fighters must use Self Contained Breathing Apparatus.
UNUSUAL FIRE & EXPLOSION HAZARDS: Product may decompose at high temperatures to form toxic gases.

V HEALTH HAZARD INFORMATION

SYMPTOMS OF OVER EXPOSURE by route of exposure:
INHALATION: Upper respiratory irritation. Metallic taste. Headache.
CONTACT WITH SKIN or EYES: Irritation and/or reddening and to skin and eyes.
Change in skin pigmentation.

