



Materials Safety Data Sheet  
**BLACK BRASS, BRONZE & COPPER DARKENER**

===== I PRODUCT IDENTIFICATION =====

TRADE NAME (AS LABELED): **JAX BLACK BRASS, BRONZE AND COPPER DARKENER**

CHEMICAL NAMES, COMMON NAMES: NONE

SYNONYMS: NONE

MANUFACTURER'S NAME: JAX Chemical Company, Inc.

ADDRESS: 78-11 267<sup>th</sup> 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 <sup>3</sup>	0.2 mg(Se)/m <sup>3</sup>
Copper Sulfate	7758-98-7	0.5-2.5	1 mg(Cu)/m <sup>3</sup>	1.0 mg(Cu)/m <sup>3</sup>

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 a light blue 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.

SKIN ABSORPTION: This product does not skin absorb to any appreciable degree.

