



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 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 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.

