JAX™

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.