



Materials Safety Data Sheet
SILVER PLATING SOLUTION

I PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED): **JAX SILVER PLATING SOLUTION**

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
Ammonia	7664-41-7	1.0-3.0	25 ppm	50 ppm
Silver Chloride	7783-90-6	1.0-3.0	0.01 mg(Ag)/m ³	0.01 mg(Ag)/m ³
Sodium Thiosulfate	7772-98-7	10-12	none	none

THE REMAINING 82 to 88 % INGREDIENTS ARE NON-HAZARDOUS

III PHYSICAL PROPERTIES

VAPOR DENSITY: NO DATA

EVAPORATION RATE (WATER = 1): SIMILAR TO WATER

SPECIFIC GRAVITY: 1.4

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: CLEAR EMULSION

pH: 10.7

HOW TO DETECT THIS SUBSTANCE (warning properties): At room temperature this product is a clear liquid with an ammonia like 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: NONE

V HEALTH HAZARD INFORMATION

SYMPTOMS OF OVER EXPOSURE by route of exposure:

INHALATION: Upper respiratory irritation.

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.

INGESTION: Irritation to the GI tract, nausea, vomiting.

INJECTION: Local irritation at the site of injection, possible systemic injury depending on dose. *

HEALTH EFFECTS OR RISKS FROM EXPOSURE An explanation in lay terms.

ACUTE: This product cause may reddening, irritation, or burns to the eyes or skin. Irritation to the nose or throat may occur if you breath the product vapors.

CHRONIC: Long term exposure to this product to may cause severe and/or persistent irritation and/or sensitizing to the eyes and skin. Irritation to the nose or throat. A generalized grayish pigmentation of the skin and mucous membranes (argyria) may occur, developing slowly over a period of 2 to 25 years of regular exposure.

FIRST AID EMERGENCY PROCEDURES:

If spilled on skin or eyes, immediately begin decontamination with running water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Victim & rescuers must seek immediate medical attention. If chemical is in eyes, open victim's eyes while under gentle running water. Use sufficient force to open eye lids. Have victim "roll" eyes. Minimum flushing is for 15 minutes. If chemical is inhaled, remove victim to fresh air and use artificial respiration to support vital functions. Remove or cover gross contamination to avoid exposure to rescuers. If chemical is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, dilute by drinking several glasses of water. Never give diluents (milk or water) to or induce vomiting in someone who is unconscious, having convulsions, or can not swallow.

Victim of chemical exposure and all rescuers must be taken for medical attention. Take copy of label and MSDS to physician or health professional with victim.

SUSPECTED CANCER AGENT?

This product's ingredient's are / are not found on the following lists:

<u>OSHA Z-2 LIST</u>	<u>NTP</u>	<u>IARC</u>
NO	NO	NO

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Any preexisting skin irritation or dermatitis can be aggravated by exposure to this product. Upper respiratory disfunction may also be aggravated by inhalation of the vapors of this product.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms of exposure.

===== VI REACTIVITY DATA =====

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: NONE

