

MANUFACTURE INFORMATION

EMERGENCY PHONE.....: 800-255-3924  
PREPARATION/REVISION DATE: 03/16/92

TRADE NAME/SYNONYMS...: JAX SILVER PLATING SOL. 4OZ  
CHEMICAL NAME/SYNONYMS:  
CHEMICAL FAMILY.....:  
FORMULA.....:  
PRODUCT CODE.....: 69-762

\*\*\*\*\* HAZARDOUS INGREDIENTS \*\*\*\*\*

DOES PRODUCT CONTAIN HAZARDOUS INGREDIENTS? (Y,N,N/A,N/I) : Y  
CHEMICAL/COMMON NAME CAS-NUMBER % PEL-OSHA TLV-ACGIH  
AMMONIA 7664-41-7 1-3% 50PPM 25PPM  
SILVER CHLORIDE 7783-90-6 1-3% .01MG/M3 .01MG/M3  
SODIUM THIOSULFATE 7772-98-7 10-12 NONE NONE  
ARE NON-HAZARDOUS.

DOES PRODUCT CONTAIN CARCINOGENS (NTP, IARC, OR OSHA)? (Y,N,N/A,N/I): N

\*\*\*\*\* HEALTH HAZARD DATA \*\*\*\*\*

HEALTH EFFECTS (ACUTE AND CHRONIC)

ACUTE: THIS PRODUCT MAY CAUSE REDDENING, IRRITATION OR BURNS TO THE EYES OR SKIN. IRRITATION TO THE NOSE OR THROAT MAY OCCUR IF YOU BREATHE THE PRODUCT.

CHRONIC: LONG TERM EXPOSURE TO THIS PRODUCT MAY CAUSE SEVERE AND/OR PERSISTENT IRRITATION AND/OR SENSITIZING TO THE EYES AND SKIN AND IRRITATION MUCOUS MEMBRANES (ARYRIA) MAY OCCUR, DEVELOPING SLOWLY OVER A PERIOD OF 2 TO 25 YEARS OF REGULAR EXPOSURE.

PRIMARY ROUTES OF ENTRY

INHALATION, CONTACT WITH SKIN OR EYES, SKIN ABSORPTION

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

ANY PREEEXISTING 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.

EMERGENCY FIRST AID 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 AND RESCUERS MUST SEEK IMMEDIATE MEDICAL ATTENTION.

IF CHEMICAL IS IN EYES OPEN VICTIMS 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 RESCUER'S 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.

## \*\*\*\*\* CHEMICAL DATA \*\*\*\*\*

BOILING POINT(F)....	>212F	SPECIFIC GRAVITY(WATER=1).....	1.4
VAPOR PRESSURE(MMHG)	N/DATA	PERCENT VOLATILE BY VOLUME(%).....	N/A
VAPOR DENSITY(AIR=1)	N/DATA	EVAP RATE( WATER =1)	SIMLAR

SOLUBILITY IN WATER.. SOLUBLE

## APPEARANCE AND ODOR INFORMATION

AT ROOM TEMPERATURE PRODUCT IS A CLEAR LIQUID WITH AN AMMONIA LIKE ODOR. NO UNUSUAL WARNING PROPERTIES.

## \*\*\*\*\* PHYSICAL HAZARD DATA \*\*\*\*\*

FLASH POINT (METHOD USED) N/A FLAMMABLE LIMITS-LEL= N/A UEL= N/A

## EXTINGUISHING MEDIA

WATER SPRAY, CARBON DIOXIDE OR FOAM OR DRY CHEMICAL OR HALON

## SPECIAL FIRE FIGHTING PROCEDURES

IF INVOLVED IN FIRE, USE WATER SPRAY. FIRE FIGHTERS MUST USE SCBA

## UNUSUAL FIRE AND EXPLOSION HAZARDS

NONE

## \*\*\*\*\* REACTIVITY DATA \*\*\*\*\*

## INCOMPATIBILITY (MATERIALS TO AVOID)

HYPOCHLORITE BLEACH

## HAZARDOUS DECOMPOSITION PRODUCTS

N/A

WILL HAZARDOUS POLYMERIZATION OCCUR  
NO

CONDITIONS TO AVOID/POLYMERIZATION  
NONE

IS THE PRODUCT STABLE  
STABLE UNDER NORMAL CONDITIONS

CONDITIONS TO AVOID/STABILITY  
NONE

\*\*\*\*\* SPILL AND LEAK PROCEDURES \*\*\*\*\*

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
UNCONTROLLED RELEASES SHOULD BE RESPONDED TO USING TRAINING PEOPLE AND PRE-  
PLANNED PROCEDURES. PROPER PROTECTIVE EQUIPMENT SHOULD BE USED. IN CASE OF  
SPILL, CLEAR THE AFFECTED AREA, PROTECT PEOPLE, AND RESPOND WITH TRAINED  
PERSONNEL. MINIMUM PPE SHOULD BE HARD HAT WITH FACE SHIELD, SPLASH GOGGLES,  
RESPIRATORY PROTECTION (SCBA, UNLESS CONDITIONS WARRANT LOWER PROTECTION),  
HAND AND BODY PROTECTION, AND CHEMICAL PROTECTIVE BOOTS.

WASTE DISPOSAL METHOD  
WASTE DISPOSAL MUST BE IN ACCORDANCE WITH APPROPRIATE FEDERAL, STATE, AND  
LOCAL REGULATIONS. THIS CHEMICAL, IF UNALTERED BY THE HANDLING, MAY BE  
DISPOSED OF BY STANDARD INDUSTRIAL WASTE WATER TREATMENT PROCESS.

\*\*\*\*\* EXPOSURE CONTROL INFORMATION \*\*\*\*\*

VENTILATION

LOCAL EXHAUST	RECOMMENDED	MECHANICAL (GEN)	RECOMMENDED
SPECIAL.....	NONE	OTHER.....	NONE

RESPIRATORY PROTECTION  
IF VENTILATION IS NOT ADEQUATE TO REDUCE EXPOSURE TO THIS PRODUCT TO A SAFE  
LEVEL, SUPPLIED AIR OR RESPIRATOR WITH APPROVED NIOSH CARTRIDGE MUST BE USED.  
VENTILATION &ENGINEERING CONTROLS - USE VENTILATION ADEQUATE TO KEEP THE  
AIRBORNE CONCENTRATION BELOW THE TLV OR THE PEL (WHICHEVER IS LESS) OF THE  
HAZARDOUS CONSTITUENTS.

PROTECTIVE GLOVES  
CHEMICAL RESISTANT GLOVES.

OTHER PROTECTIVE EQUIPMENT

CHEMICAL SPLASH GOGGLES, CHEMICAL RESISTANT APRON OR FULL BODY PROTECTIVE CLOTHING IF THE POTENTIAL FOR WHOLE BODY CONTAMINATION EXISTS.

OTHER ENGINEERING CONTROLS

N/A

WORK PRACTICES

OBSERVE ALL APPLICABLE AND REASONABLE WORK PRACTICES CONSISTENT WITH THE USE OF THIS PRODUCT. WASH THOROUGHLY WITH SOAP AND WATER AFTER EACH USE.

HYGENIC PRACTICES

WASH THOROUGHLY WITH SOAP AND WATER AFTER EACH USE.

\*\*\*\*\* SPECIAL PRECAUTIONS \*\*\*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

STORE IN TIGHTLY CLOSED CONTAINER IN COOL DRY LOCATION PROTECTED FROM ENVIRONMENTAL EXTREMES.

MAINTENANCE PRECAUTIONS

N/A

OTHER PRECAUTIONS

N/A

OTHER COMMENTS

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