

# MATERIAL SAFETY DATA SHEET

## Section 1. Identity of Material

<b>PRODUCT NAME OR NUMBER</b> Insta-Blak A-385	
<b>REGULATED IDENTIFICATION</b>	<b>DOT PROPER SHIPPING NAME</b> Corrosive Liquid N.O.S. (Sulfuric Acid, Selenious Acid)
	<b>SHIPPING ID NUMBER</b> UN 1760 <b>NA</b> <b>DOT HAZARD CLASS</b> Corrosive

## Section 2. Hazard Specifications

<b>Section 313 Supplier Notification:</b> This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372 or other hazards under 29 CFR 1910.1200.					
CAS NUMBER	CHEMICAL NAME	% BY WEIGHT	PEL=	TLV=	CARCINOGEN
7783-00-8	Selenious Acid Section 313	< 3.5	0.2mg/m <sup>3</sup>	0.2mg/m <sup>3</sup>	NO
7440-50-8 as Cu	Copper, Acid salt of Section 313	< 1	1.0 mg/m <sup>3</sup>	1.0 mg/m <sup>3</sup>	NO
- - - -	Water & other non-hazardous, non-listed or non-reportable materials	95.5	- - - -	- - - -	NO

KNOWN HAZARDS UNDER 29 CFR 1910.1200					
	YES	NO		YES	NO
CORROSIVE MATERIAL	X		SKIN HAZARD	X	
FLAMMABLE MATERIAL		X	EYE HAZARD	X	
PYROPHORIC MATERIAL		X	TOXIC AGENT	X	
EXPLOSIVE MATERIAL		X	HIGHLY TOXIC AGENT		X
UNSTABLE MATERIAL		X	SENSITIZER		X
WATER REACTIVE MATERIAL		X	REPRODUCTIVE TOXIN		X
OXIDIZER		X	BLOOD TOXIN		X
ORGANIC PEROXIDE		X	NERVOUS SYSTEM TOXIN	X	
COMBUSTIBLE LIQUID		X	LUNG TOXIN		X
COMPRESSED GAS		X	LIVER TOXIN		X
IRRITANT	X		KIDNEY TOXIN		X
			RESPIRATORY SYSTEM		X

HMIS - HAZARD SIGNALS			
HEALTH	2	FLAMMABILITY	0
REACTIVITY	0	PERSONAL PROTECTION	C
0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe			

## Section 3. Safe Usage Data

<b>PROTECTIVE EQUIPMENT TYPES</b>	EYES Chemical goggles. It is generally recognized that contact lenses should not be worn when working with chemicals because they may contribute to the severity of an eye injury. RESPIRATORY Wear a NIOSH approved respirator appropriate for the vapor or mist at the point of use. GLOVES Rubber OTHER Long-sleeved shirt, trousers, rubber safety shoes, rubber apron.
<b>VENTILATION</b>	GENERAL MECHANICAL Yes LOCAL EXHAUST Preferred to maintain emissions at point of use below the PEL.
<b>PRECAUTIONS</b>	HANDLING & STORAGE Keep in closed container in a dry well-ventilated area away from incompatible materials. Wash thoroughly after handling. Containers, even those that have been emptied will retain product residue and vapors. Always obey hazard warnings on containers as if they were full.  OTHER Avoid contact with eyes, skin and clothing.
<b>INCOMPATIBILITY</b>	MATERIALS TO AVOID Cyanides, organic solvents, strong reducing agents.

*The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.*

**Section 4. Emergency Response Data**

<b>FIRE</b>	EXTINGUISHING MEDIA Water spray, dry chemical, CO <sub>2</sub> or alcohol foam. Do not use direct water stream.
	SPECIAL PROCEDURES Fire fighters should wear self-contained breathing apparatus and full protective clothing.
	UNUSUAL HAZARDS May produce toxic selenious fumes.
<b>EXPOSURE</b>	EYE: Immediately flush with lots of running water for 30 minutes, lifting the upper and lower eye lids occasionally. Get immediate medical attention.
	SKIN: Immediately flush skin with lots of running water for 30 minutes. Remove contaminated clothing and shoes. Wash before reuse. Get immediate medical attention.
<b>FIRST AID</b>	INHALATION: Remove to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.
	INGESTION: If conscious, immediately induce vomiting by giving 2 glasses of water and sticking a finger down the throat. Get immediate medical attention. After person has vomited have them drink milk, water or solution of 1 tsp/1 qt. sodium bicarbonate in water. Do not give anything by mouth to an unconscious or convulsing person.
<b>SPILLS</b>	STEPS TO BE TAKEN Wear acid resistant gloves, rubber boots and eye protection. For small spills, mop or wipe up and dispose of in DOT approved waste containers. For large spills contain by soil or other absorbent material and carefully neutralize with soda ash or lime. Flush area with water. CO <sub>2</sub> will be given off if soda ash is used. Keep non-neutralized material out of sewers and surface waters. Comply with regulations for spill reporting.
<b>RQ= 335#</b>	WASTE DISPOSAL METHOD Consult appropriate federal, state and local regulations for disposal. Empty containers are subject to same regulations.

**Section 5. Physical Hazard Data**

<b>FLAMMABILITY</b>	FLASHPOINT None	°F	°C	METHOD USED:	
<b>STABILITY</b>	STABLE	X	CONDITIONS TO AVOID:		
	UNSTABLE		HAZARDOUS DECOMPOSITION PRODUCTS: Reactions with organics and strong reducing agents can produce volatile organoselenides or hydrogen selenide.		
<b>HAZARDOUS POLYMERIZATION</b>	MAY OCCUR		WILL NOT OCCUR	X	AVOID:

**Section 6. Health Hazard Data**

EFFECTS OF EXPOSURE, SIGNS AND SYMPTOMS: It is an eye irritant, causing redness and watering. Breathing mists can cause nose and throat irritation. Garlic odor to breath, headaches, dizziness, difficulty breathing. Ingestion will result in metallic taste, garlic odor to breath and nausea. It is not a primary skin irritant. However, it can produce redness of skin and slight edema on prolonged contact.
PRIMARY ROUTES OF ENTRY <input type="checkbox"/> INHALATION <input type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN OR EYE CONTACT

**Section 7. Physical and Chemical Properties**

BOILING PT= 213°F	SPECIFIC GRAVITY: 1.050	VOLATILE COMPONENTS Water
pH= < 1.75	VAPOR DENSITY (AIR=1) Approx. equal to water	EVAPORATION RATE ( =1) Approx. = 1
SOLUBILITY IN WATER Complete	WILL DISSOLVE IN Water	
APPEARANCE Light Blue Solution		MATERIAL IS: LIQUID <input checked="" type="checkbox"/> POWDER <input type="checkbox"/>
ODOR Odorless		

**Section 8. Manufacturer Data**

FIRM'S NAME & MAILING ADDRESS: <b>Electrochemical Products Inc. 17000 Lincoln, New Berlin, WI 53151</b>		
Date Prepared or Revised: 3/18/2018	Supersedes Those Dated: 5/11/98	<b>EMERGENCY TELEPHONE NO.</b> Business Hours: 262-786-9330 Other Times: Chemtrec 800-424 -9300 Day or Night