

MATERIAL SAFETY DATA SHEET



Date Issued: 1 Jan 2023
MSDS No: SSBLACK
Revision No: 003

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: STAINLESS STEEL BLACKENER

MANUFACTURER

CASWELL INC
7696 ROUTE 31
LYONS NY 14489
Emergency Contact: MAIN OFFICE Product
Stewardship: 315 946 1213 Transportation:
800 424 9300
Service Number: 315 946 1213 CA

USA 24 HR. EMERGENCY TELEPHONE NUMBERS
CHEMTREC (US Transportation) :(800) 424 - 9300

Supplied in AUSTRALIA by Caswell Australia p/l
1/51 Elm Park Drive, Hoppers Crossing 3029

Victoria.

Ph 03 9741 7103

AH 0427 70 80 90

For Emergency Services contact **000**

2 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Blue liquid

IMMEDIATE CONCERNS: Corrosive. Will cause eye burns and permanent tissue damage.

POTENTIAL HEALTH EFFECTS

EYES: Causes eye burns.

SKIN: Causes skin irritation.

Can burn mouth, throat and stomach.

INHALATION irritating to the nose, throat and respiratory tract.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Causes eye irritation.

SKIN: Can produce redness of skin and slight edema on prolonged contact.

INGESTION will result in metallic taste, garlic odor to breath and nausea.

INHALATION: Inhalation of vapor, mist or liquid may cause severe burns of the nasal septum and respiratory tract.

CHRONIC EFFECTS: Nervous system toxin

ROUTES OF ENTRY: Ingestion Skin. Eyes

3. COMPOSITION INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS	EINECS
Selenious Acid	< 3.5	7783-00-8	
Hydrochloric Acid	< 6.5	007647-01-0	231-595-7
Copper	< 1	007440-50-8	231-159-6

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

INGESTION: If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: NA = Not

Applicable

EXTINGUISHING MEDIA: Water spray, dry chemical, CO₂ or alcohol foam. Do not use direct water stream.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Clean up spills immediately, observing precautions in Protective Equipment section.

LARGE SPILL: Wear acid resistant gloves, rubber boot and eye protection. Contain by soil or other absorbent material and carefully neutralize with soda ash or lime. Flush area with water. CO₂ 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.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/
Selenious Acid	TWA	.04 ppm					
Hydrochloric Acid	TWA	NL ppm	NL mg/m ³	NL ppm	NL mg/m ³	NL	NL
	STEL	C 5 ppm [II]	C 7 mg/m ³ [II]	C 5 ppm	C 7.5 mg/m ³	NL	NL
Footnotes: 1. C = Ceiling							

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use chemical splash goggles and face shield (ANSI 287.1 or approved equivalent).

SKIN: Wear protective gloves.

RESPIRATORY: A respiratory protection program that meets OSHA 1910.134 and ANSI 288.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

PROTECTIVE CLOTHING: Wear protective clothing.

9. PHYSICAL AND CHEMICAL

PROPERTIES PHYSICAL STATE: Liquid

ODOR: None

COLOR: Blue

pH: 1.5

VAPOR DENSITY: Approx equal to water

BOILING POINT: {228°F}

SOLUBILITY IN WATER: Complete

SPECIFIC GRAVITY: 1.060

STABILITY AND REACTIVITY STABLE: Yes

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID: None

HAZARDOUS DECOMPOSITION PRODUCTS: Reactions with organics and strong reducing agents can produce volatile organoselenides or hydrogen selenide.

INCOMPATIBLE MATERIALS: Cyanides, organic solvents, strong reducing agents.

10. TOXICOLOGICAL INFORMATION

11. ECOLOGICAL INFORMATION

12. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with local, state and federal regulations.

13. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive Liquid,

N.O.S. TECHNICAL NAME: Hydrochloric Acid,

Selenious Acid PRIMARY HAZARD:

CLASS/DIVISION: 8

U N NUMBER: UN1760

PACKING GROUP: II

REPORTABLE QUANTITY (RQ) UNDER CERCLA: 335 Pounds or 152 Kg

U.S. SURFACE FREIGHT CLASS: 55

OTHER SHIPPING INFORMATION: Small quantities may be shipped as ORM-D, Consumer Commodity

14. REGULATORY INFORMATION

UNITED STATES
DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

Corrosive

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No PRESSURE GENERATING: No REACTIVITY: Yes ACUTE: Yes CHRONIC: Yes

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.0/o	CAS
Hydrochloric Acid	< 6.5	007647-01-0
Copper	< 1	007440-50-8

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Selenious Acid	7783-00-8
Hydrochloric Acid	007647-01-0
Copper	007440-50-8

15. OTHER INFORMATION

REASON FOR ISSUE: Revise Format and information re Australian Import

APPROVED BY: Paul Davies **TITLE: CEO**

PREPARED BY: Paul Davies

REVISION SUMMARY: MSDS update re Date

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