

SAFETY DATA SHEET



Page 1 of 6
Date Revised: 08-12-2015

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **NI-BLACK 40**
SYNONYMS: NONE
CHEMICAL NAME: ACID MIXTURE
PRODUCT USE: METAL FINISHING, ANTIQUING
MANUFACTURER NAME: SUR-FIN CHEMICAL CORP.
MANUFACTURER ADDRESS: 1530 SPENCE STREET
LOS ANGELES, CA 90023
MANUFACTURER PHONE: TEL: (323) 262-8108
FAX: (323) 264-7734
EMERGENCY PHONE NUMBERS: 24 HOUR EMERGENCY NO: (800) 457-4280

2. HAZARDOUS IDENTIFICATION

This product is classified as dangerous goods and as a hazmat substance. Toxic if swallowed. May cause severe eye damage. May cause severe skin burns.



GHS SIGNAL WORD: WARNING
GHS HAZARD STATEMENTS: H272: May intensify fire; oxidizer
H301: Toxic if swallowed
H314: Causes severe skin burns and eye damage
H331: Toxic if inhaled
GHS H410: Very toxic to aquatic life with long lasting effects
PRECAUTIONARY STATEMENTS: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220: Keep/Store away from clothing and other combustible materials.
P261: Avoid breathing dust, fumes, gas, vapors, and or spray
P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
GHS RESPONSE STATEMENTS: P301+ P310: If swallowed, immediately call a POISON CENTER/doctor.
P321: Specific treatment see Section 4 of SDS
P330: Rinse mouth.
P311: call a POISON CENTER/doctor.
P370+P378: In case of fire, Use appropriate fire extinguishing agents.
GHS P391: Collect spillage.
STORAGE PRECAUTIONARY STATEMENTS: P403+P233: Store in a well ventilated place. Keep container tightly closed.
P405: Store locked up.
P501: Dispose of contents/container to an approved waste disposal plant.

EMERGENCY OVERVIEW: WARNING! POISON. CORROSIVE. May be fatal if swallowed or harmful if inhaled. Causes severe burns to eyes and skin.

APPEARANCE/ODOR: Clear blue liquid, odorless.

EYE CONTACT: Severe or permanent eye damage, symptoms of redness, burning.

SKN CONTACT: Burns upon direct contact, symptoms of redness, burning.

INGESTION: Severe burns of mouth, throat and stomach. Other possible symptoms include nausea, abdominal pain, vomiting.

INHALATION: If sprayed, severe irritation of respiratory tract and mucous membranes; coughing, difficulty breathing.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Description	CAS#	Weight %	OSHA PEL* TWA	OSHA PEL STEL/C	ACGIH TLV TWA	ACGIH TLV STEL/C
Selenious Acid**	7783-00-8	<4	0.2 mg/m ³	NE	0.2 mg/m ³	NE
Copper Sulfate	7758-99-8	<4	1 mg/m ³	NE	1 mg/m ³	3 mg/m ³ -STEL
Non-Hazardous		<5	NE	NE	NE	NE
Water (D.I.)	7332-18-5	balance	NE	NE	NE	NE

TWA-Time-weighted Average STEL - Short-term exposure limit C - Ceiling
(skin) - skin designation means that harmful amounts may be absorbed through the skin

*Certain States enforce PELs that were in place in 1989, but were later removed by the U.S. Supreme court. Check with your State OSHA to determine which PEL is enforced in your state.

**OELs as Selenium Compounds

NE=not established NA= not applicable NDA= no data available

4. FIRST AID MEASURES

EYE CONTACT: Flush immediately with clean water. Continue for at least 15 minutes. Seek immediate medical attention.

SKIN CONTACT: Remove contaminated clothing to avoid prolonged contact. Wash affected areas with water. Seek medical attention if irritation develops.

INGESTION: Do not induce vomiting - call poison control center IMMEDIATELY (866) 291-7152 for further instructions. Seek immediate medical attention.

INHALATION: Remove from exposure. Seek medical attention if necessary if breathing is difficult.

HEALTH		3
FLAMMABILITY		0
PHYSICAL HAZARDS		2
PROTECTIVE EQUIPMENT		H
EYES	SKIN	LUNGS

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASHPOINT: NONE

METHOD USED: NA

FLAMMABLE LIMITS: LFL: NA

UFL: NA

EXTINGUISHING MEDIA: Non-flammable. Use media as appropriate for surrounding materials.

FIRE & EXPLOSION HAZARDS: May react with metals to release hydrogen gas, which can form explosive mixtures with air.

SPECIAL FIRE FIGHTING PROCEDURE: Firefighters should wear approved SCBA and full turn-out gear.



6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED. Wear recommended protective equipment. Recover as much free liquid as possible and collect in acid-resistant container. Use absorbent to pick up residue. Avoid discharging liquid directly into a sewer or surface waters.

Review current local, state and federal laws, codes, statutes and regulations to determine appropriate agencies to be notified and the conditions under which they are to be notified. (See Section 13 for waste disposal comments).

7. HANDLING AND STORAGE

HANDLING: Avoid breathing mists or spray. Avoid eye and skin contact. Wear protective equipment when handling product. Keep out of the reach of children.

STORAGE: Store in cool, dry area. Store in acid-resistant containers. Keep containers covered when not in use. Avoid storing with incompatible materials (refer to Section 10). Empty containers may retain hazardous (solid) product residues.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use a NIOSH approved respirator (supplied air type) if any of the occupational exposure limits in Section 3 may be exceeded.



EYE PROTECTION: goggles, face shield



PROTECTIVE GLOVES/BODY PROTECTION: neoprene



VENTILATION: use general/dilution or local exhaust ventilation as needed to ensure that occupational exposure limits are not exceeded.

OTHER PRTECTIVE EQUIPMENT: Eye wash and emergency shower.

NOTE: ALL PPE should be selected on the basis of an exposure assessment performed by a competent person.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: >212°F

VAPOR PRESSURE: NDA

VAPOR DENSITY: (Air=1): <1

SOLUBILITY IN WATER: Complete

APPEARANCE: Clear blue liquid

SPECIFIC GRAVITY: (Water=1): 1.12

VOLATILE BY VOLUME: NA

EVAPORATION RATE: (Ethyl Ether =1): <1

pH: <1.00

ODOR: odorless

10. STABILITY AND REACTIVITY

STABILITY: Stable at normal temperatures.

CONDITIONS TO AVOID: Excessive heat.

INCOMPATIBILITY (materials to avoid): Cyanides, water-reactive substances. Strong reducing agents, chlorinated cleaners or sanitizers. Most metals.

HAZARDOUS DECOMPOSITION PRODUCTS: Reaction with organics and strong reducing agents can produce organoselenides and hydrogen selenide. Thermal decomposition may produce selenium.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

There is no product based toxicological information for this product. Toxicology information is provided based on individual ingredients in Section 2.

LD₅₀ oral, rat: 1530 mg/kg

TARGET ORGANS: Eyes, skin, lungs (corrosive, liver, kidney, spleen, and blood forming organs.

Medical conditions that may be aggravated by exposure: Pre-existing skin, eye, respiratory, liver, kidney disorders.

Carcinogenicity: IARC: 3 NTP: None OSHA: None

12. ECOLOGICAL INFORMATION

ECOTOXICITY: NDA

ENVIRONMENTAL FATE: NDA

13. DISPOSAL CONSIDERATION

This product exhibits the characteristic of corrosivity (EPA Hazardous Waste Number D002 and D010).

Review current local, state and federal laws, codes, statutes and regulation to determine current status and appropriate disposal method for the ingredients listed in Section 2. Any disposal practice must be in compliance with local, state and federal laws and regulations. Contact the appropriate agency for specific information. Treatment, transport, storage and disposal of hazardous waste must be dealt with be a licensed facility or waste hauler.

14. TRANSPORT INFORMATION

D.O.T. HAZARDOUS MATERIALS DESCRIPTION AND PROPER SHIPPING NAME:

Corrosive Liquid, Acidic, Inorganic, N.O.S., 8/UN3264/PG III

Exceptions: 49CFR 173.154

15. REGULATORY INFORMATION

TSCA (TOXIC SUBSTANCES CONTROL ACT): the materials in this product are listed on the TSCA Inventory.

CERCLA (Comprehensive Response compensation and Liability Act, 40 CFR 117, 302: Reportable Quantity=10 lb.

SARA TITLE III (Superfund Amendments and Authorization Act):

Section 311/312

Immediate Health Effects: Yes

Delayed Health Effects: Yes

Fire Hazard: No

=====

Sudden Release of Pressure Hazard: No

Reactivity Hazard: No

Section 313 Reportable Ingredients: Selenious Acid, Copper Sulfate

STATE "RIGHT-TO-KNOW": This product may contain components cited on certain state lists. Consult with your individual State regarding this product's components.

=====

16. OTHER INFORMATION

National Fire Protection Association (NFPA): Health: 3 Flammability: 0 Reactivity: 0

The data here is for hazard communication to our employees, our customers and their employees and authorized regulatory agencies. For intended purpose, this MSDS (Material Safety Data Sheet) may be duplicated or the data transcribed to an alternative for. NOTE: The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, Sur-Fin Chemical Corp. makes no presentation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular period. Accordingly, Sur-Fin chemical Corp. will not be responsible for damages of any kind resulting from the use of or reliance upon such information. NO PRESENTATION OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NAUTRE ARE MADE HEREUNDER TO WHICH THE INFORMATION REFERS. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment.

=====

SDS Revision Date: 08/12/2015