

# MATERIAL SAFETY DATA SHEET

**BIRCHWOOD CASEY®  
ANTIQUÉ BLACK® M80**

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DATE REVISED: 6/1/07  
REVISION MSDS NO. 7502-05

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **ANTIQUÉ BLACK® M80**

PRODUCT PART NUMBERS: 750250, 750251, 750258

MANUFACTURED BY: BIRCHWOOD LABORATORIES, INCORPORATED

7900 Fuller Road

Eden Prairie, MN 55344 USA

Product Information Telephone Number: (952) 937-7900 (8:00-4:00pm CST)

Fax Number: (952) 937-7979

[www.birchwoodcasey.com](http://www.birchwoodcasey.com)

**24 HOUR TRANSPORTATION EMERGENCY NUMBER: CHEMTREC 800-424-9300 U.S. & CANADA**

**703-527-3887 INTERNATIONAL (Collect)**

**24 HOUR POISON CONTROL EMERGENCY NUMBER: 866-291-7152 U.S. & CANADA**

## 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW: DANGER! POISON. Corrosive.** May be fatal if swallowed or harmful if inhaled. Causes severe burns to eyes and skin. **OXIDIZER.** Combustible materials that contact this product may ignite more easily and burn more intensely. Avoid shock, heat, friction.

**APPEARANCE/ODOR:** Clear liquid, odorless.

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

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

**INGESTION:** Severe burns of mouth, throat and stomach; methemoglobinemia, cyanosis. 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	< 3	0.2 mg/m <sup>3</sup>	NE	0.2 mg/m <sup>3</sup>	NE
Nitric Acid	7697-37-2	< 5	5 mg/m <sup>3</sup>	NE	5.2 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> -STEL
Cupric Nitrate	10031-43-3	< 7	1 mg/m <sup>3</sup>	NE	1 mg/m <sup>3</sup>	NE
Phosphoric Acid	7664-38-2	< 3	1 mg/m <sup>3</sup>	NE	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup> -STEL
Water	7332-18-5	> 82	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



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: > 212° F  
VAPOR PRESSURE: NDA  
VAPOR DENSITY: (Air = 1): < 1  
SOLUBILITY IN WATER: Complete  
APPEARANCE: Clear liquid

SPECIFIC GRAVITY: (Water = 1): 1.1  
VOLATILE BY VOLUME: NA  
EVAPORATION RATE: (Ethyl Ether = 1): < 1  
pH: 1.35  
ODOR: odorless

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## 10. STABILITY AND REACTIVITY

STABILITY: Stable at normal temperatures.

CONDITIONS TO AVOID: Excessive heat, shock, friction..

INCOMPATIBILITY (materials to avoid): Cyanides, water-reactive substances, strong reducing agents, chlorinated cleaners or sanitizers, combustible organic materials, most metals.

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

HAZARDOUS POLYMERIZATION: Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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

LD<sub>50</sub>, oral, rat: 1530 mg/kg (phosphoric acid); 794 mg/kg (cupric nitrate)

TARGET ORGANS: Eyes, skin, lungs (corrosive), liver, kidney, spleen, 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

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## 12. ECOLOGICAL INFORMATION

ECOTOXICITY: NDA

ENVIRONMENTAL FATE: NDA

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## 13. DISPOSAL CONSIDERATIONS

This product exhibits the characteristic of corrosivity (EPA Hazardous Waste Number D002 and D010). Review current local, state and federal laws, codes, statutes and regulations 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 by a licensed facility or waste hauler.

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## 14. TRANSPORT INFORMATION

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

Corrosive Liquid, Acidic, Inorganic, N.O.S. (Selenious and Phosphoric Acids), 8 / UN3264 / P.G. II

Exceptions: 49CFR 173.154 (Consumer Commodity ORM-D)

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## 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. (selenious acid); 100 lb. (cupric nitrate); 1000 lb. (nitric acid); 5000 lb. (phosphoric acid)

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, Nitric Acid, Cupric Nitrate, Phosphoric Acid

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

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## 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 the intended purpose, this MSDS (Material Safety data Sheet) may be duplicated or the data transcribed to an alternative form.

**NOTE:** The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, Birchwood Laboratories, Inc. makes no representation 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, Birchwood Laboratories, Inc. will not be responsible for damages of any kind resulting from the use of or reliance upon such information. **NO REPRESENTATIONS, OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE 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.

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### **FOR ASSISTANCE WITH PLACING ORDERS:**

- Product Pricing / Payment Terms
- Shipping and Tracing of Shipments
- Sales Rep Locations

Call our Sales Department (952) 937-7931

Or 1-800-328-6156 or Fax (952) 937-7979

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### **FOR PRODUCT USAGE ASSISTANCE**

- Questions on Operation of Products
- Solving Finishing Problems
- Operator Safety and Pollution Control

Call our Customer Service Desk Department (952) 937-7931

Or 1-800-328-6156 or Fax (952) 937-7979