

MATERIAL SAFETY DATA SHEET

**BIRCHWOOD CASEY
ALUMA BLACK® BRUSH-ON A14**

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DATE REVISED: 08-02-04
REVISION MSDS No. 6300-3

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BIRCHWOOD CASEY ALUMA BLACK® BRUSH-ON A14
 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

24 HOUR TRANSPORTATION EMERGENCY NUMBER: CHEMTREC 800-424-9300 U.S. & CANADA
 703-527-3887 INTERNATIONAL (Collect)

2. COMPOSITION / INFORMATION ON INGREDIENTS

DESCRIPTION	CAS NUMBER	WEIGHT PERCENT ¹	EXPOSURE LIMITS
Selenious Acid · H ₂ SeO ₃	7783-00-8	<4	0.2 mg/m ³ ^a
Cupric Sulfate · CuSO ₄ ·5H ₂ O	7758-99-8	<8	1 mg/m ³ ^b
Phosphoric Acid · H ₃ PO ₄	7664-38-2	<3	1 mg/m ³
Fluoboric Acid · HBF ₄	16872-11-0	<2	2.5 mg/m ³ ^c
Nickel Sulfate · NiSO ₄	7786-81-4	<1	1 mg/m ³ ^d
Water · H ₂ O	7732-18-5	>82	None Established

^a OSHA (as Se)

^b OSHA (Cu, dust or mist)

^c OSHA (as F)

^d OSHA (as Ni)

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Odorless blue liquid. Irritating or burning to eyes and skin.

EYE CONTACT: Irritation or possible burns upon direct contact.

SKIN CONTACT: Irritation and possible sensitization with certain individuals.

INGESTION: Irritation and possible burns to the gastrointestinal tract. Other possible symptoms include nausea, vomiting, abdominal pain, and difficulty breathing.

INHALATION: Toxic fumes not generated normally. If sprayed, breathing mists can cause nose and throat irritation, headache, dizziness, nausea, and difficulty breathing.

CHRONIC: Not established.

4. FIRST AID MEASURES

EYE CONTACT: Flush immediately with clean water. Continue for at least 15 minutes. Consult a physician.

SKIN CONTACT: Remove contaminated clothing to avoid prolonged contact. Wash affected areas with soap and water.

INGESTION: If victim is conscious, induce vomiting. Never administer anything by mouth to an unconscious person. If breathing is difficult, give oxygen. Seek medical attention.

INHALATION (mist): Remove from exposure. Provide air if breathing difficult. Seek medical attention if necessary.

10. STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY (materials to avoid): Cyanides, water-reactive substances, most metals, strong reducing agents.

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

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

1. The Registry of Toxic Effects of Chemical Substances cites experimental evidence toxic effects of selenites and various copper compounds. The implications of the experimental data for human exposure is uncertain.
 2. With regards to carcinogenesis in animals, the status of selenium is not established according to IARC (the International Agency for Research on Cancer). Other animal or epidemiological studies suggest that selenium may have anti-carcinogenic effects.
 3. The Registry of Toxic Effects of Chemical Substances cites experimental evidence toxic effects of nickel compounds. NIOSH has proposed that all "airborne nickel" (nickel dusts and fumes) be considered and regulated as an occupational carcinogen. The emission of nickel in this form with ALUMA BLACK A14 is essentially non-existent, which by NIOSH's proposal, renders it non-carcinogenic. Further, inorganic nickel compounds (i.e. nickel nitrate) are not considered carcinogenic by ingestion.
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12. ECOLOGICAL INFORMATION

Information not available.

13. DISPOSAL CONSIDERATIONS

Any disposal practice must be in compliance with local, state, and federal laws and regulations. Contact the appropriate agency for specific information. Transport, storage and disposal of hazardous waste must be carried out by a licensed facility or waste hauler.

14. TRANSPORT INFORMATION

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

(49CFR 172.101): Corrosive Liquid, Acidic, Inorganic, N.O.S. 8/UN3264/P.G. III (Selenious & Phosphoric Acid). Exceptions: 49CFR 173.154. Reportable Quantity (Cupric Sulfate) at 17 gallons and (Selenious Acid) at 33 gallons; Marine Pollutant (Cupric Sulfate)

15. REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION RULE 29 CFR 1910.1200: Refer to Section 2.

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

CERCLA (Comprehensive Response Compensation and Liability Act, 40 CFR 117, 302:
Refer to Section 6 (Accidental Release Measures).

15. REGULATORY INFORMATION – (continued)

SARA TITLE III (Superfund Amendments and Authorization Act):

Section 313 Reportable Ingredients: Selenious Acid, Cupric Sulfate and Phosphoric Acid.

CALIFORNIA PROPOSITION-65:

WARNING: This product contains a chemical known to the State of California to cause cancer.

This product contains nickel, certain nickel compounds that have been listed pursuant to Proposition 65, California Health & Safety Code Section 25249.8. Employers may have an obligation to warn their employees.

16. OTHER INFORMATION

NATIONAL FIRE PROTECTION ASSOCIATION CODES (NFPA):

HEALTH: 2 FLAMMABILITY: 0
REACTIVITY: 0

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS):

HEALTH: 2 FLAMMABILITY: 0
REACTIVITY: 0 PERSONAL PROTECTION: C

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.

Revised -- Date Maintenance

Changed 08-02-04

FOR ASSISTANCE WITH PLACING ORDERS:

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

Please call our Customer Service Desk at (952) 937-7931, or 1-800-328-6156; Fax #: (952) 937-7979

FOR ASSISTANCE WITH USING THE PRODUCTS:

- Questions on Operation of Products
- Process Setup / Bath Control / Testing
- Solving Finishing Problems
- Operator Safety and Pollution Control
- EMERGENCY MEDICAL PROCEDURES

Call our Sales Department at 1-800-328-6156

Order Desk (952) 937-7931