

MATERIAL SAFETY DATA SHEET

BIRCHWOOD CASEY
BORE SCRUBBER® AEROSOL

Page 1 of 4
DATE REVISED: 6/1/10
REVISION MSDS NO. 4

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BORE SCRUBBER AEROSOL

PRODUCT PART NUMBERS: 33626, 33635,33640, BSA2, BSA6, BSA10

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

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: DANGER! Extremely flammable. May be harmful if swallowed. Keep away from sparks and open flames. Containers involved in fire may explode. Irritating to eyes, skin, upper respiratory tract.

APPEARANCE/ODOR: Yellow liquid, kerosene odor.

EYE CONTACT: Irritation upon direct contact.

SKIN CONTACT: Prolonged contact may cause irritation and dermatitis.

INGESTION: Irritation to the gastrointestinal tract.

INHALATION: Inhalation of high vapor concentrations may cause central nervous system effects, and symptoms such as headache, dizziness, disorientation. Extremely high vapor concentrations may lead to asphyxiation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Table with 7 columns: Description, CAS #, Weight %, OSHA PEL\* TWA, OSHA PEL STEL/C, ACGIH TLV TWA, ACGIH TLV STEL/C. Rows include Propane, Isobutane, Dipropylene Glycol Monomethyl Ether, Kerosene, 315 Sec Naphthenic Oil, Oxygenated Hydrocarbons, Propylene Glycol, Monoethanolamine, and 9-Octadecenoic Acid.

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.

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 medical attention if necessary.

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

**INGESTION:** Call Poison Control Center immediately. Do not induce vomiting. If victim is conscious, give 1 – 2 glasses of water.

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

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#### **5. FIRE FIGHTING MEASURES**

##### **FLAMMABLE PROPERTIES**

**FLASHPOINT:** ~ -156°F (based on propellant) **METHOD USED:** NDA

**FLAMMABLE LIMITS:** LFL: 1.9 %            UFL: 15.0 %

**EXTINGUISHING MEDIA:** Water spray, carbon dioxide, dry chemical

**FIRE & EXPLOSION HAZARDS:** Excessive heat may cause bursting of aerosol cans. Vapors are heavier than air, and may travel along low surfaces to ignition sources, resulting in flashback.

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

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#### **6. ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wear recommended protective equipment. Eliminate ignition sources. Ventilate area. Vent remaining material to outdoor air.

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).

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#### **7. HANDLING AND STORAGE**

**HANDLING:** Avoid breathing mists or vapor. Avoid eye and skin contact. Prohibit smoking in the area and exclude sources of spark or open flame. Avoid static discharge. Wear protective equipment when handling product. Empty containers may still have product residue and combustible vapors. Do not puncture or incinerate. Keep out of the reach of children.

**STORAGE:** Do not store where temperature may exceed 120°F.

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#### **8. EXPOSURE CONTROL / PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:** Use a NIOSH approved respirator (Full or half-face supplied-air or organic vapor cartridge/P95 type) if any of the occupational exposure limits in Section 3 may be exceeded.

**EYE PROTECTION:** safety glasses with side shields, or goggles

**PROTECTIVE GLOVES / BODY PROTECTION:** neoprene or butyl rubber

**VENTILATION:** Use general/dilution or local exhaust ventilation as needed to ensure that occupational exposure limits are not exceeded. Do not use in enclosed spaces.

**OTHER PROTECTIVE EQUIPMENT:** Eyewash

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

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: [-44] – [- 208°F] (range)  
VAPOR PRESSURE: ~ 50 psig  
VAPOR DENSITY: (Air = 1): >1  
SOLUBILITY IN WATER: Negligible  
APPEARANCE: Yellowish liquid

SPECIFIC GRAVITY: (Water = 1): < 1  
VOLATILE BY VOLUME: ~ 90%  
EVAPORATION RATE: (Ethyl Ether = 1): > 1  
pH: NA  
ODOR: kerosene odor

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## 10. STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: Avoid high temperatures and ignition sources.

INCOMPATIBILITY (materials to avoid): Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce carbon monoxide, carbon dioxide, sulfur oxides, aldehydes

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>50s</sub>, oral, rat: 1720 mg/kg (monoethanolamine)

TARGET ORGANS: Eyes, skin, lungs (irritant), CNS. Prolonged or repeated skin exposure may cause dermatitis. Excessive or chronic exposure to this product via inhalation, ingestion or skin absorption may result in liver or kidney effects and nervous system damage.

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

Carcinogenicity: IARC: None    NTP: None    OSHA: None

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## 12. ECOLOGICAL INFORMATION

ECOTOXICITY: NDA

ENVIRONMENTAL FATE: NDA

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## 13. DISPOSAL CONSIDERATIONS

Empty can and discard as solid trash. 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. Note: If incinerated, the resulting ash will contain extractable barium.

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## 14. TRANSPORT INFORMATION

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

Aerosols, Flammable / 2.1 / UN1950 / (Not exceeding 1 liter capacity) / Exceptions: CFR173.306

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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 - NDA

SARA TITLE III (Superfund Amendments and Authorization Act):

Section 311/312:

Immediate Health Effects: Yes

Delayed Health Effects: Yes

Fire Hazard: Yes

Sudden Release of Pressure Hazard: Yes

Reactivity Hazard: No

Section 313 Reportable Ingredients: None

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: 2 Flammability: 4 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.

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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) 937-7933

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 (952) 937-7916

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