

MATERIAL SAFETY DATA SHEET

BIRCHWOOD CASEY
GUN SCRUBBER[®] - AEROSOL

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DATE REVISED: 08-02-04
REVISION MSDS No. 2

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BIRCHWOOD CASEY GUN SCRUBBER

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

<u>DESCRIPTION</u>	<u>CAS NUMBER</u>	<u>WEIGHT PERCENT</u>	<u>EXPOSURE LIMITS</u>
Trichloroethylene	79-01-6	97	50 ppm, OSHA

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Clear, colorless liquid. Ether-like odor.

EYE CONTACT: May cause mild eye irritation. Direct contact with the liquid or exposure to vapors or mists may cause stinging, tearing and redness.

SKIN CONTACT: Prolonged and repeated contact with skin can cause defatting and drying of the skin which may result in skin irritation and dermatitis. May be harmful if absorbed through skin.

INGESTION: Irritation of mouth and throat. Aspiration into lungs may cause mild to severe pulmonary injury.

INHALATION: High concentrations or prolonged exposure to lower concentrations may be slightly irritating to mucous membranes. Inhalation overexposure can lead to central nervous system depression producing effects such as headaches, nausea, dizziness and loss of consciousness. Extreme exposures may cause other central nervous system effects including death.

CHRONIC: Not established.

4. FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids open during this flushing with water. Call a physician immediately.

SKIN CONTACT: Flush area with water while removing contaminated clothing and shoes. Follow by washing with soap and water. Do not reuse clothing or shoes until cleaned. If irritation persists, get medical attention. Do not apply oils or ointments unless ordered by the physician.

INGESTION: If conscious, drink a quart of water, and then induce vomiting. CALL A PHYSICIAN immediately. If unconscious or in convulsions, take immediately to a hospital or to a physician. NEVER induce vomiting or give anything by mouth to an unconscious victim.

INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. CALL A PHYSICIAN. Do not give stimulants unless instructed to do so by a physician.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASHPOINT: None

METHOD USED:

FLAMMABLE LIMITS:

LFL: 8.0

UFL: 10.5

EXTINGUISHING MEDIA: Dry chemical, CO₂, water spray.

UNUSUAL FIRE & EXPLOSION HAZARDS: Avoid possible bursting of aerosol can. Do not store where temperature may exceed 120F. Do not puncture or incinerate. Product may thermally decompose to product Hydrogen Chloride vapors and possibly traces of Phosgene. Concentrated vapors can be ignited by high intensity heat source.

SPECIAL FIRE FIGHTING PROCEDURES: Evacuate area of unprotected personnel. Wear protective clothing including a NIOSH-Approved self-contained breathing apparatus. Cool fire-exposed containers with water spray. Run-off from fire control may cause pollution.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: 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. Eliminate all sources of ignition. Evacuate unprotected personnel from area. Maintain adequate ventilation. Use proper Safety equipment. Contain spill, place into drums for proper disposal. Soak up residue with non-flammable absorbent material. Place in non-leaking containers for immediate disposal. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs.

WASTE DISPOSAL METHOD: 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. Dispose of in accordance with all local, state and federal regulations. Dispose of at approved Waste Treatment Facility. Reclaim (recycle) solvent DO NOT pressurize, cut weld, braze, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition.

7. **HANDLING AND STORAGE:** Store in cool, well-ventilated area away from all sources of ignition and out of direct sunlight. Ground all equipment to prevent accumulation of static charge. Keep containers tightly closed. Store away from incompatible materials. Do not store in unlabeled or mislabeled containers.
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8. EXPOSURE CONTROL / PERSONAL PROTECTION

RESPIRATORY PROTECTION (type): If TLV is exceeded wear NIOSH-approved self-contained breathing device or respirator.

PROTECTIVE GLOVES (type): Viton or Neoprene

LOCAL EXHAUST VENTILATION (rate): Must be adequate to maintain vapors at less than 50 ppm, particularly at floor level, as vapors are heavier than air.

EYE PROTECTION (type): Safety glasses or goggles recommended.

MECHANICAL VENTILATION (rate): None established.

OTHER PROTECTIVE EQUIPMENT: As needed to minimize contamination.

SPECIAL VENTILATION: Do not use in small-enclosed area.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 188°F	SPECIFIC GRAVITY: 1.465
VAPOR PRESSURE: 73 mm Hg@68°F	VOLATILE BY VOLUME: ~97%
VAPOR DENSITY: 4.54	EVAPORATION RATE: 0.3 (BuAce=1)
SOLUBILITY IN WATER: Slight	pH (100%): NA
APPEARANCE & ODOR: Clear, color liquid. Ether like odor	pH (10%): NA

10. STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: Avoid contact with heat, sparks, electric arcs, other hot surfaces and open flames.

INCOMPATIBILITY (materials to avoid): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: May thermally decompose to form Carbon Monoxide, Carbon Dioxide, Hydrogen Chloride vapors, traces of Phosgene, and unidentifiable materials.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Refer to Section 3 for available information on potential health effects.

12. ECOLOGICAL INFORMATION

Data 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. Treatment, transport, storage and disposal of hazardous waste must be dealt with by a licensed facility or waste hauler.

14. TRANSPORT INFORMATION

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

Aerosols, non-flammable (not exceed 1 liter) Class 2.2/UN1950.
Exceptions may apply: 49CFR 173.306-307

15. REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION RULE 29 CFR 1910.1000: Table Z-1-A.

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 302.4: Not applicable.

SARA TITLE III (Superfund Amendments and Authorization Act): 40 CFR 372.65.

CALIFORNIA PROPOSITION 65:

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

This product contains trichloroethylene that has 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: 1

REACTIVITY: 0

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS):

HEALTH: 3

FLAMMABILITY: 1

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.

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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

FOR PRODUCT USAGE ASSISTANCE

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

Call our Customer Service Desk Department: (952) 937-7916
or 1-800-328-6156 or Fax (952) 937-7979