

# MATERIAL SAFETY DATA SHEET

**BIRCHWOOD CASEY®**  
**GUN SCRUBBER® - AEROSOL**

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DATE REVISION: 6/1/10  
REVISION MSDS NO. 4

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **GUN SCRUBBER**

PRODUCT PART NUMBER: 33227, 33235, 33245, 33246, GSA4, GSA9, GSA16, GSA25

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**

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## 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW: Warning!** Irritating to eyes, skin, upper respiratory tract. Harmful if swallowed or inhaled. Suspect cancer hazard. Material can form flammable air-vapor mixture. Keep away from sparks and open flames.

**APPEARANCE/ODOR:** Clear colorless liquid, ether-like odor

**EYE CONTACT:** Irritation upon direct contact.

**SKIN CONTACT:** Irritation and possible 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.

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Description	CAS #	Weight %	OSHA PEL* TWA	OSHA PEL STEL/C	ACGIH TLV TWA	ACGIH TLV STEL/C
Trichloroethylene	79-01-6	<97	100 ppm	200 ppm <sup>C</sup>	10 ppm	25 ppm <sup>STEL</sup>
Proprietary ingredients	-	< 3	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.

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

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## 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:** If conscious and alert, rinse mouth and drink 1-2 cups of milk or water. Call Poison Control Center immediately. **Do not** induce vomiting.

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

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## **5. FIRE FIGHTING MEASURES**

### **FLAMMABLE PROPERTIES**

FLASHPOINT: NA

METHOD USED: NA

FLAMMABLE LIMITS (%): LFL: 8.0

UFL: 10.5

EXTINGUISHING MEDIA: Water spray, dry chemical, or carbon dioxide.

FIRE & EXPLOSION HAZARDS: Avoid possible bursting of aerosol can.

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. Absorb material on dry sorbent. Scoop up for disposal using non-sparking tools only.

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. Keep out of the reach of children.

STORAGE: Store liquid in closed containers. Store in clean, fire-resistant storage area with good ventilation and not subject to high temperatures.

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

RESPIRATORY PROTECTION: Use a NIOSH approved respirator (Full or half-face organic vapor cartridge 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: fluoroelastomer (e.g. Viton®) or polyvinylalcohol

BODY PROTECTION: NDA

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

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: 188° F

VAPOR PRESSURE: 73 mm Hg @ 68°F

VAPOR DENSITY: (Air = 1): 4.54

SOLUBILITY IN WATER: Slight

APPEARANCE: Clear, colorless liquid

SPECIFIC GRAVITY: (Water = 1): 1.465

VOLATILE BY VOLUME: ~ 97 %

EVAPORATION RATE: (Ethyl Ether = 1): 0.3

pH: NA

ODOR: ether-like 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, bases, rare earth metals.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce carbon monoxide, carbon dioxide, hydrogen chloride gas, phosgene.

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: 5130 mg/kg (Dipropylene Glycol Monomethyl Ether)

TARGET ORGANS: Eyes, skin, lungs (irritant), CNS, liver and kidneys.

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

Carcinogenicity: IARC: 2A      NTP: R      OSHA: None

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## **12. ECOLOGICAL INFORMATION**

ECOTOXICITY: NDA

ENVIRONMENTAL FATE: NDA

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## **13. DISPOSAL CONSIDERATIONS**

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. 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.

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## **14. TRANSPORT INFORMATION**

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

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

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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 – Trichloroethylene (100 lbs.)

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: Trichloroethylene

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

**WARNING:** This product contains a chemical known to the State of California to cause cancer. This product contains trichloroethylene that have been listed pursuant to Proposition 65, California Health & Safety Code Section 25249.8. Employers may have an obligation to warn their employees.

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## 16. OTHER INFORMATION

National Fire Protection Association (NFPA): Health: 2 Flammability: 1 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) 937-7933

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