

MATERIAL SAFETY DATA SHEET

**BIRCHWOOD CASEY®
CLEANER DEGREASER**

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DATE REVISED: 6/1/07
REVISION MSDS NO. 3

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **BIRCHWOOD CASEY® CLEANER DEGREASER**

PRODUCT PART NUMBERS: 16225, GC11

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: **WARNING! Flammable liquid and vapor.** Keep away from sparks and open flames. Cans involved in fire may explode. Harmful if inhaled or swallowed. Irritating to eyes, skin, upper respiratory tract.

APPEARANCE/ODOR: Pink liquid with alcohol odor

EYE CONTACT: Irritation upon direct contact. Symptoms may include stinging, tearing, redness and swelling.

SKIN CONTACT: Mildly irritating. Prolonged or repeated skin contact can result in defatting, drying of the skin with symptoms of redness, stinging.

INGESTION: Irritation to the gastrointestinal tract. This material can enter the lungs during swallowing or vomiting and cause lung damage.

INHALATION: Inhalation may cause irritation to the respiratory tract (nose, throat and lungs). Inhalation of high vapor concentrations may cause central nervous system effects, and symptoms such as headache, dizziness, disorientation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Description	CAS #	Weight %	OSHA PEL* TWA	OSHA PEL STEL/C	ACGIH TLV TWA	ACGIH TLV STEL/C
Isopropyl Alcohol	67-63-0	< 15	400 ppm	NE	200 ppm	400 ppm
Sodium Tetraborate (Borax)	1303-96-4	< 2	NE	NE	2 mg/m ³ (1)	6 mg/m ³ -STEL
Disodium Pyrophosphate	7758-16-9	< 2	NE	NE	NE	NE
Biodegradable Surfactant Blend	-	< 10	NE	NE	NE	NE
Water	7732-18-5	> 71	NE	NE	NE	NE

TWA – Time-weighted Average STEL – Short-term exposure limit C – Ceiling I – inhalable fraction (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. Seek medical attention if symptoms of overexposure develop or persist.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASHPOINT: 85°F

METHOD USED: Closed Cap

FLAMMABLE LIMITS (based on isopropyl alcohol): LFL: 2 % UFL: 12 %

EXTINGUISHING MEDIA: Water, carbon dioxide.

FIRE & EXPLOSION HAZARDS: Vapors may form an explosive mixture in air. Closed containers may rupture when exposed to extreme heat.

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

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear recommended protective equipment. Remove all sources of ignition. Ventilate area. Absorb spill with an absorbent material such as sawdust, vermiculite or sand and place material into a closed container. Use only non-sparking tools for cleanup. Prevent material from entering water systems or sewers.

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).

7. HANDLING AND STORAGE

HANDLING: Avoid breathing vapors. 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 flammable vapors. Keep out of the reach of children.

STORAGE: Do not store where temperature may exceed 120°F. Store liquid in closed containers.

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 / BODY PROTECTION: not required for incidental contact

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 176°F

VAPOR PRESSURE: 17 mm Hg

VAPOR DENSITY: (Air = 1): > 1

SOLUBILITY IN WATER: Miscible

APPEARANCE: Pink liquid

SPECIFIC GRAVITY: (Water = 1): 0.991

VOLATILE BY VOLUME: < 20%

EVAPORATION RATE: (Ethyl Ether = 1): < 1

pH: 9.76

ODOR: alcohol odor

10. STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: Avoid high temperatures and ignition sources.

INCOMPATIBILITY (materials to avoid): Strong oxidizers, acids

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce carbon monoxide, carbon dioxide, hydrocarbons

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

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

LD_{50s}, oral, rat: 5045 mg/kg (isopropanol),

TARGET ORGANS: Eyes, skin, lungs (irritant), liver, CNS. Some ingredients in this material have been investigated as a reproductive toxicant in animal studies, but relevance to humans is unknown.

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

Carcinogenicity: IARC: 3 (isopropanol) NTP: None OSHA: None

12. ECOLOGICAL INFORMATION

ECOTOXICITY: NDA

ENVIRONMENTAL FATE: NDA

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.

14. TRANSPORT INFORMATION

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

Flammable Liquid, N.O.S.(Isopropyl Alcohol), 3 / UN1993 / P.G. III. Exceptions: 49CFR 173.150

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 Quantities: 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: No

Reactivity Hazard: No

Section 313 Reportable Ingredients: Isopropanol

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

16. OTHER INFORMATION

National Fire Protection Association (NFPA): Health: 2 Flammability: 3 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

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