

MATERIAL SAFETY DATA SHEET

BIRCHWOOD CASEY®
SAFE SCRUB® M CLEANER

Page 1 of 4
DATE REVISED: 6/1/10
REVISION MSDS NO. 8706-03

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **SAFE SCRUB® M**

PRODUCT PART NUMBERS: 870651, 870658

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!** May be harmful or fatal if swallowed. May cause burns to eyes and skin upon direct contact.

APPEARANCE/ODOR: Clear, colorless liquid with mild surfactant odor.

EYE CONTACT: Irritation or possible burns upon direct contact. Possible irreversible damage.

SKIN CONTACT: Irritation and possible sensitization with certain individuals.

INGESTION: Burns to the gastrointestinal tract. Other possible symptoms include nausea, vomiting, abdominal pain.

INHALATION: Nose and throat irritation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Description	CAS #	Weight %	OSHA PEL* TWA	OSHA PEL STEL/C	ACGIH TLV TWA	ACGIH TLV STEL/C
Tetrapotassium Pyrophosphate	7320-34-5	12	NE	NE	NE	NE
Ethoxylated alcohol	Proprietary	3	NE	NE	NE	NE
Quaternary amine compound	Proprietary	3	NE	NE	NE	NE
Water	7732-18-5	82	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

4. FIRST AID MEASURES

EYE CONTACT: Flush immediately with clean water. Continue for at least 15 minutes. Seek immediate medical attention.

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. If conscious and alert, rinse mouth and drink 1-2 cups of water. Wash mouth out with water.

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

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASHPOINT: None

METHOD USED: NA

FLAMMABLE LIMITS: LFL: NA

UFL: NA

EXTINGUISHING MEDIA: Non-flammable. Use media as appropriate for surrounding materials.

FIRE & EXPLOSION HAZARDS: NDA

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. Recover as much free liquid as possible and collect in alkali-resistant container. Use absorbent to pick up residue. Neutralize residue with dilute solutions of phosphoric/sulfuric or hydrochloric acid. Avoid discharging liquid directly into a sewer or surface waters.

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 mists or dust. Avoid eye and skin contact. Wear protective equipment when handling product. Keep out of the reach of children.

STORAGE: Store in cool, dry area. Keep containers covered when not in use.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use a NIOSH approved respirator (Full or half-face N95 cartridge type) as needed.

EYE PROTECTION: safety glasses with side shields, or goggles

PROTECTIVE GLOVES: neoprene or nitrile

BODY PROTECTION: NDA

VENTILATION: Use general/dilution or local exhaust ventilation as needed.

OTHER PROTECTIVE EQUIPMENT: Eyewash and emergency shower

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: > 212°F

VAPOR PRESSURE: NA

VAPOR DENSITY: (Air = 1): NA

SOLUBILITY IN WATER: Complete

APPEARANCE: Clear liquid

SPECIFIC GRAVITY: (Water = 1): 1.12

VOLATILE BY VOLUME: NA

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

pH: 14.0

ODOR: mild, surfactant odor

10. STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: NDA

INCOMPATIBILITY (materials to avoid): Strong acids, water-reactive substances and metals such as aluminum and zinc.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may product carbon, nitrogen and sulfur oxides.

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: mg/kg

TARGET ORGANS: Eyes, skin, lungs (irritant).

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

Carcinogenicity: IARC: None NTP: None OSHA: None

12. ECOLOGICAL INFORMATION

ECOTOXICITY: NDA

ENVIRONMENTAL FATE: NDA

13. DISPOSAL CONSIDERATIONS

Waste and its solutions are assigned EPA Hazardous Waste Number D002 (corrosivity). 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:

Corrosive Liquid, N.O.S. (Tetrapotassium Pyrophosphate solution), 8 / UN1760 / P.G. III

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 - 100 lbs. for tetrapotassium pyrophosphate (> 85 gallons of this product).

SARA TITLE III (Superfund Amendments and Authorization Act):

Section 311/312:

Immediate Health Effects: Yes

Delayed Health Effects: No

Fire Hazard: No

Sudden Release of Pressure Hazard: No

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.

16. OTHER INFORMATION

National Fire Protection Association (NFPA): Health: 3 Flammability: 0 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.

FOR ASSISTANCE WITH PLACING ORDERS:

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

Call our Sales Department (952) 937-7931

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) 937-7931

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