

# MATERIAL SAFETY DATA SHEET

**BIRCHWOOD CASEY®  
SHEATH® RB1 RUST PREVENTIVE**

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DATE REVISED: 6/1/10  
REVISION MSDS NO. 8200-05

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **SHEATH® RB1 RUST PREVENTIVE**

PRODUCT PART NUMBERS: 820050, 820051, 820051PLAS, 820058, 820058PLAS, 820058FLAM, 820058OPEN, 820058OF

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**

## 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: **DANGER! Harmful or fatal if swallowed or inhaled.** Irritating to eyes, skin, upper respiratory tract. **Combustible liquid and vapor.** Keep away from sparks and open flames.

APPEARANCE/ODOR: Opaque light brown liquid, kerosene odor

EYE CONTACT: Irritation upon direct contact.

SKIN CONTACT: Irritation and possible dermatitis.

INGESTION: Irritation to the gastrointestinal tract. Aspiration of mineral oil into the lungs can cause chemical pneumonia.

INHALATION: 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
Severely Hydrotreated Heavy Naphthenic Distillate	64742-47-8	60	NE	NE	NE	NE
Mineral Oil	64742-52-5	15	5 mg/m <sup>3</sup>	NE	5 mg/m <sup>3</sup> (**)	10 mg/m <sup>3</sup> (**)
Heavy Petroleum Oxygenates, Barium neutralized	Mixture	20	NE	NE	NE	NE
Propylene Glycol Monomethyl Ether	107-98-2	4	100 mg/m <sup>3</sup> (skin)	NE	100 mg/m <sup>3</sup>	150 mg/m <sup>3</sup> STEL

**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.

\*\* as “oil mist, mineral”, sampled by a method that does not collect vapor

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



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: > 300°F  
VAPOR PRESSURE: NDA  
VAPOR DENSITY: (Air = 1): >1  
SOLUBILITY IN WATER: Immiscible  
APPEARANCE: Brown liquid

SPECIFIC GRAVITY: (Water = 1): 0.825  
VOLATILE BY VOLUME: > 70%  
EVAPORATION RATE: (Ethyl Ether = 1): < 1  
pH: NA  
ODOR: kerosene-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

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce carbon monoxide, carbon dioxide, sulfur oxides, various hydrocarbons.

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: 5660 mg/kg (Propylene Glycol Monomethyl Ether)

TARGET ORGANS: Eyes, skin, lungs (irritant), CNS. Prolonged or repeated skin exposure may cause dermatitis.

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

Carcinogenicity: IARC: 3\* (mineral oil) NTP: None OSHA: None

\*unclassifiable as to carcinogenicity in humans (for mineral oils, highly refined)

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## 12. ECOLOGICAL INFORMATION

ECOTOXICITY: NDA

ENVIRONMENTAL FATE: NDA

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## 13. DISPOSAL CONSIDERATIONS

Waste concentrate is assigned the EPA Hazardous Waste Number D001 (Ignitability). 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. A waste with extractable barium of 100 ppm or greater is assigned EPA Hazardous Waste Number D005 (Toxicity Characteristic – Barium).

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## 14. TRANSPORT INFORMATION

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

Flammable Liquid, N.O.S. (Naphtha, Petroleum) 3 / UN1993 / P.G. III

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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: No

Fire Hazard: Yes

Sudden Release of Pressure Hazard: No

Reactivity Hazard: No

Section 313 Reportable Ingredients: Propylene Glycol Monomethyl Ether, Barium compounds in heavy petroleum oxygenates (Barium < 1%).

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: 1 Flammability: 2 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) 937-7931

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) 937-7931

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