

# Material Safety Data Sheet

## (11310)

### Section 1: Chemical Product and Company Identification

**Product Name:** Bismarck Brown Y

**Catalog Number:** 11310

**CAS#:** 10114-58-6

**Synonyms:** C.I. 21000

**Contact Information:**

**Electron Microscopy Sciences**

1560 Industry Road

Hatfield, PA 19440

1-215-412-8400 (phone)

1-800-523-5874 (toll-free)

1-215-412-8450 (fax)

**Order Online:** [emsdiasum.com](http://emsdiasum.com)

**CHEMTREC (24-Hour Emergency Telephone), call:** 1-800-424-9300

### Section 2: Composition and Information on Ingredients

Emergency Overview

WARNING! HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. CAUSES IRRITATION. SAF-T-DATA™ Ratings (Provided here for your convenience)

Health Rating: 1 – slight

Flammability Rating: 1 – slight

Reactivity Rating: 1 – slight

Contact Rating: 1 – slight

Lab Protective Equip: Goggles, lab coat, proper gloves

Storage Color Code: Green (General Storage)

### Section 3: Hazards Identification

Molecular Weight: 419.32

Chemical Formula: C18H18N8.2HCl

| CAS#       | Chemical Name    | Percent | Hazardous |
|------------|------------------|---------|-----------|
| 10114-58-6 | Bismarck Brown Y | 90-100  | No        |

### Section 4: First Aid Measures

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion:** Give large amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.

**Skin Contact:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**Eye Contact:** Immediately flush eye with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

### Section 5: Fire and Explosion Data

**General Information:** As in any fire, wear a self-contained breathing apparatus I pressure-demand, MSHA/NIOSH (approved or wequivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material. Use agent most appropriate to extinguish fire.

**Flash Point:** Not available

**Auto Ignition Temperature:** Not available

**Explosion Limits, Lower:** Not available

**Upper:** Not available

**NFPA Rating:** (estimated) Health 1; Flammability: 1; Instability: 0

### Section 6: Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

### Section 7 : Handling and Storage

**Handling:** Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Storage:** Keep container tightly closed in a dry and well-ventilated place.

Keep in a dry place.

### Section 8: Exposure Controls/Personal Protection

Contains no substances with occupational exposure limit values.

#### Personal protective equipment

##### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards sich as NIOSH (US) or CEN (EU).

##### Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)

##### Skin and body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the damgerous substance at the specific workplace.

##### Hygiene measures

General industrial hygiene practice

### Section 9: Physical and Chemical Properties

**Appearance:** Purple to reddish-brown crystalline solid

**Odor:** No information found

**Solubility:** Appreciable (>10%)

**Specific Gravity/Density:** No information found

**pH:** No information found

**% Volatiles y volume @ 21C (70F):** 0

**Boiling Point:** No information found

**Melting Point:** No information found

**Vapor Pressure (mm Hg):** N/A

**Vapor Density (Air=1):** N/A

**Evaporation Rate (BuAc=1):** No information found

### Section 10: Stability and Reactivity Data

**Stability:** stable under ordinary conditions of use and storage

**Hazardous Decomposition Products:** Hydrogen chloride, oxides of nitrogen, carbon monoxide, carbon dioxide

**Hazardous Polymerization:** Will not occur

**Incompatibilities:** Strong oxidizers agents

**Conditions to Avoid:** Incompatibles

### Section 11: Toxicological Information

| Cancer Lists                  | NTP Carcinogen |             |               |
|-------------------------------|----------------|-------------|---------------|
| Ingredient                    | Known          | Anticipated | IARC Category |
| Bismarck Brown Y (10114-58-6) | No             | No          | None          |

### Section 12: Ecological Information

**Environmental Fate:** No information found

**Environmental Toxicity:** No information found

### Section 13: Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed

RCRA U-Series: None listed

### Section 14: Transport Information

**DOT (US):** Not dangerous goods  
**IMDG:** Not dangerous goods  
**IATA:** Not dangerous goods

### Section 15: Other Regulatory Information

| <b>Chemical Inventory Status - Part 1</b>                      |          |        |          |           |
|--|----------|--------|----------|-----------|
| Ingredient   | TSCA     | EC     | Japan    | Australia |
| Bismarck Brown Y (10114-58-6)                                  | Yes      | Yes    | Yes      | Yes       |
| <b>Chemical Inventory Status - Part 2</b>                      |          | Canada |          |           |
| Ingredient   | Korea    | DSL    | NDSL     | Phil.     |
| Bismarck Brown Y (10114-58-6)                                  | Yes      | Yes    | No       | No        |
| <b>Federal, State &amp; International Regulations – Part 1</b> |          |        |          |           |
|  | SARA 302 |        | SARA 313 |           |
| Ingredient   | RQ       | TPQ    | List     | Chemical  |
| Bismarck Brown Y (10114-58-6)                                  | No       | No     | No       | No        |
| <b>Federal, State &amp; International Regulations – Part 2</b> |          |        |          |           |
|  |          |        | RCRA     | TSCA      |
| Ingredient   | CERCLA   |        | 261.33   | 8 (d)     |
| Bismarck Brown Y (10114-58-6)                                  | No       |        | No       | No        |

**Chemical Weapons Convention:** No TSCA 12 (b): No CDTA: No  
**SARA 311/312:** Acute: Yes Chronic: No Fire: No Pressure: No  
**Reactivity:** No (Pure/Solid)

**Australian Hazchem Code:** Non allocated

**Position Schedule:** Non allocated

**WHMIS:** This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CFR.

### Section 16: Other Information:

**MSDS Creation Date:** 5/5/09

**Revision:** 9/25/11

**Date Verified and Printed:** 9/25/11

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