



# UNISOURCE CHEMICALS PRIVATE LIMITED

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## BISMARCK BROWN R

### Material Safety Data Sheet

#### 1. PRODUCT IDENTIFICATION:

**Synonyms:** None

**CAS No.:** 5421-66-9.

**Molecular Weight:** 461.40.

**Chemical Formula:** C<sub>21</sub>H<sub>24</sub>N<sub>8</sub>.

#### 2. COMPOSITION / INFORMATION ON INGREDIENTS:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Percent</u>	<u>Hazardous</u>
Bismarck Brown R	5421- 66-9	100%	No

#### 3. HAZARDS IDENTIFICATION:

##### Emergency Overview

**Appearance:** Light brown to brown powder. **CAUTION!** May cause eye and skin irritation. May cause respiratory and digestive tract irritation. The toxicological properties of this material have not been fully investigated.

##### Potential Health Effects

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation.

**Ingestion:** May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

**Inhalation:** May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

**Chronic:** No information found.

#### 4. FIRST AID MEASURES:

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** **Never** give anything by mouth to an unconscious person. Get medical aid. **Do Not** induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

**Inhalation:** Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

**Notes to Physician:** Treat symptomatically and supportively.

## **5. FIRE FIGHTING MEASURES:**

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

**Extinguishing Media:** In case of fire, use water, dry chemical foam, or alcohol-resistant foam.

**Flash Point:** Not applicable.

**Auto-ignition Temperature:** Not applicable.

**Explosion Limits, Lower:** Not available.

**Upper:** Not available.

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

## **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.

## **7. HANDLING AND STORAGE:**

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

**Storage:** Store in a cool, dry place. Keep container closed when not in use.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION:**

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

### **Exposure Limits**

<b><u>Chemical Name</u></b>	<b><u>ACGIH</u></b>	<b><u>NIOSH</u></b>	<b><u>OSHA-Final PELs</u></b>
Bismarck Brown R	None listed	None listed	None listed

**OSHA Vacated PELs:** Bismarck Brown R: No OSHA Vacated PELs are listed for this chemical.

### **Personal Protective Equipment**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves and clothing to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to minimize contact with skin.

**Respirators:** Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

## **9. PHYSICAL AND CHEMICAL PROPERTIES:**

**Physical State:** Powder.

**Appearance:** Brownish-black.

**Odor:** Odorless.

**pH:** Not available.

**Vapor Pressure:** Not available.

**Vapor Density:** Not available.

**Evaporation Rate:** Not available.

**Viscosity:** Not available.

**Boiling Point:** Not applicable.

**Freezing/Melting Point:** 222 Deg. C (dec).

**Decomposition Temperature:** Not applicable.

**Solubility:** Soluble in water and slightly soluble in ethanol, methyl cellosolve and acetone.

**Specific Gravity/Density:** Not available.

#### **10. STABILITY AND REACTIVITY:**

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Incompatible materials, dust generation, excess heat, strong oxidants.

**Incompatibilities with Other Materials:** Oxidizing agents.

**Hazardous Decomposition Products:** Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

**Hazardous Polymerization:** Has not been reported

#### **11. TOXICOLOGICAL INFORMATION:**

**RTECS#:** CAS# 5421-66-9.

**LD50/LC50:** Not available.

#### **12. ECOLOGICAL INFORMATION:**

**Environmental Fate:** No information available.

**Environmental Toxicity:** No data available.

#### **13. DISPOSAL CONSIDERATIONS:**

Chemical waste generators must determine whether a discarded chemical is classified as 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.

#### **14. TRANSPORT REGULATIONS:**

Not regulated.

#### **15. REGULATORY INFORMATION:**

##### **US FEDERAL**

##### **TSCA**

CAS# 5421-66-9 is listed on the TSCA inventory.

##### **Health & Safety Reporting List**

None of the chemicals are on the Health & Safety Reporting List.

##### **Chemical Test Rules**

None of the chemicals in this product are under a Chemical Test Rule.

##### **Section 12b**

None of the chemicals are listed under TSCA Section 12b.

##### **TSCA Significant New Use Rule**

None of the chemicals in this material have a SNUR under TSCA.

##### **SARA**

##### **Section 302 (RQ) & Section 302 (TPQ)**

None of the chemicals in this material/products have a RQ or TPQ.

##### **Section 313**

No chemicals are reportable under Section 313.

##### **Clean Air Act:**

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.

##### **Clean Water Act:**

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**OSHA:** None of the chemicals in this product are considered highly hazardous by OSHA. **STATE:** CAS# 5421-66-9 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

**EUROPEAN/INTERNATIONAL REGULATIONS**

**European Labeling in Accordance with EC Directives**

**Hazard Symbols:** Not available.

**Risk Phrases:** Not available.

**Safety Phrases:** S 24/25 Avoid contact with skin and eyes.

**WGK (Water Danger/Protection)**

CAS# 5421-66-9

**Canada - DSL/NDSL**

CAS# 5421-66-9 is listed on Canada's DSL List.

**Canada - WHMIS**

This product has a WHMIS classification of D2B.

**Canadian Ingredient Disclosure List**

**Exposure Limits**

**16. DISCLAIMER INFORMATION:**

**DISCLAIMER:**

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