



## SAFETY DATA SHEET

### STATEMENT OF HAZARDOUS NATURE

#### **1. COMPANY DETAILS**

Company: Blackfast Australia  
Address: 11 Timana Avenue, Mermaid Waters QLD 4218  
Telephone Number: +61 7 5554 5411 Emergency Telephone Number: 000  
Fax Number: +61 7 5554 5766

#### **2. IDENTIFICATION**

Product Name: **BLACKFAST 181 BLACKING SOLUTION**  
Other names: None  
Manufacturer's Code: None  
UN Number: 3264  
Dangerous Goods Class: 8  
Subsidiary Risk: None  
Hazchem Code: III  
Poisons Schedule: None  
Use: Blacking of iron and steel at room temperature.

#### **Physical Description / Properties**

Appearance: Blue liquid  
Boiling Point: 100  
Melting Point: Not available  
Vapour Pressure: Not available  
Specific Gravity: 1.18  
Flashpoint: Not Applicable  
Flammability Limits: Not Applicable  
Solubility in water: Complete  
pH: 3.5-4.0

#### **Ingredients**

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Proportion (%)</b>
selenium compound, as Se	7782-49-2	<1
copper compound, as Cu	7740-50-8	<1
nickel compound, as Ni	7440-02-0	<1
water	7732-18-5	>60

#### **3. HEALTH HAZARD INFORMATION**

##### **Health Effects**

Acute:  
Swallowed: Ingestion may cause vomiting and diarrhoea.  
Eye: Irritating to the eyes.

Skin: Local contact may cause irritation of the skin.

Inhaled:  
Inhalation: The vapour may be discomforting to the respiratory tract.  
may cause coughing.

Chronic: Principal route of exposure is usually by skin contact. Prolonged or repeated contact with the skin may cause dermatitis.

## **First Aid**

Swallowed:	Gargle, rinse mouth and drink plenty of water. Do not induce vomiting. Seek medical aid.
Eye:	Flush with clean water immediately for 10 minutes. Seek medical aid
Skin:	Remove contaminated clothing and wash skin with plenty of water. Seek medical aid.
Inhaled:	Remove to fresh air. Seek medical aid.
First Aid Facilities:	Eye wash unit.
Advice to Doctor:	Treat symptomatically.

## **4. PRECAUTIONS FOR USE**

Exposure Standards:	Not available for Protec Blacking solution. For the constituents: Copper: ES TWA 1 mg/m <sup>3</sup> Selenium: ES TWA 0.2 mg/m <sup>3</sup> Nickel: ES TWA 1 mg/m <sup>3</sup>
Engineering Controls:	Local exhaust ventilation is recommended when in continuous use.
Personal Protection:	Wear impervious (PVC) gloves, eye protection(safety glasses) and plastic apron.
Flammability:	Not flammable under conditions of use.

## **SAFE HANDLING INFORMATION**

## **5. STORAGE AND TRANSPORT**

Suitable Container:	Check that containers are clearly labelled. Store according to Manufacturer's recommendations. Keep container closed
Storage Incompatibility:	Avoid sources of ignition. Avoid temperatures above 40 deg. C and below 5 deg. C.
Storage Requirements:	Store in clean, dry conditions. Prevent from freezing. Keep containers securely sealed. Protect against physical damage.
Transport:	No restrictions on transport.

## **6. SPILLS AND DISPOSAL:**

Minor Spill:	Clean up spill. Use protective equipment. Absorb spill with vermiculite or sand. Wash area with water.
Major Spill:	Contact Fire Brigade and tell them the nature and location of the spill. Stop leak if safe to do so. Wear protective equipment. Absorb liquid with absorbent material such as sand or vermiculite. Prevent entry into drains, sewers and water courses.
Disposal:	Disposal must be in accordance with local and national legislation. Dispose through an authorised waste contractor to a licensed site.

## **7. FIRE/EXPLOSION HAZARD:**

Flammability:	Non flammable. Will not support combustion. Decomposition products: Oxides of Carbon, Phosphorus, Selenium, Chlorine and Chlorine Oxides.
Fire Fighting Media:	No restrictions on the type of media used.
Fire Incompatibility:	None known.
Stability and Reactivity:	Solution is stable under normal conditions. Irritant gases maybe released above 50 deg. C.

## **8. REGULATORY INFORMATION**

Hazardous Ingredients:	Selenium, Copper and Nickel Compounds
Symbol:	Xn
Risk Phrases:	R20/22 R33 R36/38 Harmful by inhalation and if swallowed. danger of cumulative effects. Irritating to eyes and skin.
Safety Phrases:	When using, do not eat, drink or smoke. After contact with skin, wash immediately with plenty of water. In case of accident or if you feel unwell, seek medical advice (show the label where possible).
Statutory Instruments QLD:	Workplace Health and Safety Act 1995; Hazardous Substances Advisory Standard Workplace Health & Safety regulation 1997 National Occupational Health and Safety Commission List of Designated Hazardous Substances [NOHSC:10005(1999)];
National	Commissions Approved Criteria for Classifying Hazardous Substances

## **9. OTHER INFORMATION:**

Read the Application Data Sheet before using this or any Blackfast Australia product. The product is intended for the stated use only. Do not use the product for any other application without obtaining advice from us beforehand.

If this product is for resale, ensure that the purchaser receives a copy of this information.

If this product is for end use, ensure that your employees and others who may be affected are aware of the contents of this sheet.

## **10. CONTACT POINT:**

JOHN LINES: 07 5554 5411

AUSTRALIAN POISONS INFORMATION CENTRE 24 HR SERVICE 131126  
POLICE, FIRE BRIGADE OR AMBULANCE 000

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.