



SAFETY DATA SHEET
BLACKFAST 182 CHEMICAL BLACKING CREAM

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Issued: 05/08/2008
Revision No: 1

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: BLACKFAST 182 CHEMICAL BLACKING CREAM

Product code: 182

Use of substance / preparation: Chemical preparation for blacking of iron and steel

Company name: Blackfast Chemicals Limited

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New Malden

Surrey

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United Kingdom

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2. HAZARDS IDENTIFICATION

Main hazards: Harmful if swallowed. Causes burns. Limited evidence of a carcinogenic effect. May cause sensitisation by inhalation and skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Workplace exposure limit: This substance does not have a workplace exposure limit.

PBT: This substance is not identified as a PBT substance.

Directive 1999/45/EC: This preparation meets the criteria for classification as dangerous in accordance with Directive 1999/45/EC.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: POTASSIUM BIFLUORIDE <1%

EINECS: 232-156-2 CAS: 7789-29-9

[T] R25; [C] R34

- SELENIUM COMPOUNDS EXCEPT CADMIUM

SULPHOSELENIDE <1%

[T] R23/25; [Xn] R33; [N] R50/53

- NICKEL SULPHATE 1-10%

EINECS: 232-104-9 CAS: 7786-81-4

[Xn] R22; [Xn] R40; [Sens.] R42/43; [N] R50/53

- COPPER SULPHATE 1-10%

EINECS: 231-847-6 CAS: 7758-98-7

[Xn] R22; [Xi] R36/38; [N] R50/53

4. FIRST AID MEASURES

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water spray. Water fog.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details.

Environmental precautions: Do not discharge into drains or rivers.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area.

Storage conditions: Keep away from sources of ignition. Keep container tightly closed. Keep away from direct sunlight.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: POTASSIUM BIFLUORIDE
UK - 8 hour TWA: 2.5 mg/m³

- COPPER SULPHATE
UK - 8 hour TWA: 1 mg/m³
UK - 15 min. STEL: 2 mg/m³

Engineering measures: Ensure there is exhaust ventilation of the area.

Hand protection: PVC gloves.

Eye protection: Safety goggles.

Skin protection: Plastic apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Paste

Colour: Pale blue

Odour: Perceptible odour

Solubility in water: Slightly soluble

Relative density: 1.08

pH: 2.25

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Sources of ignition.

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Acute effects: Harmful if swallowed. Causes burns.

Sensitisation: May cause sensitisation by inhalation and skin contact.

CMR effects: Limited evidence of a carcinogenic effect.

11. TOXICOLOGICAL INFORMATION (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be vomiting and diarrhoea.

Inhalation: There may be coughing and a sore throat.

12. ECOLOGICAL INFORMATION

Mobility: Soluble in water.

Persistence and degradability: Not biodegradable.

Bioaccumulative potential: No data available.

Other adverse effects: Toxic to aquatic organisms.

PBT identification: This substance is not identified as a PBT substance.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Waste code number: 11 01 98

Disposal of packaging: Arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION**ADR / RID**

UN no: 3260 **ADR Class:** 8
Packing group: III **Classification code:** C2
Shipping name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
Labelling: 8 **Hazard ID no:** 80

**IMDG / IMO**

UN no: 3260 **Class:** 8
Packing group: III **EmS:** F-A,S-B
Marine pollutant: . **Labelling:** 8

IATA / ICAO

UN no: 3260 **Class:** 8
Packing group: III **Packing instructions:** 822(P&CA); 823(CAO)
Labelling: 8

15. REGULATORY INFORMATION

Hazard symbols: Corrosive.
Dangerous for the environment.



Risk phrases: R22: Harmful if swallowed.
R34: Causes burns.
R40: Limited evidence of a carcinogenic effect.
R42/43: May cause sensitisation by inhalation and skin contact.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S22: Do not breathe dust.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

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S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

S63: In case of accident by inhalation, remove casualty to fresh air and keep at rest.

Haz. ingredients (label): POTASSIUM BIFLUORIDE; SELENIUM COMPOUNDS EXCEPT CADMIUM SULPHOSELENIDE; NICKEL SULPHATE; COPPER SULPHATE

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

* indicates text in the SDS which has changed since the last revision.

Risk phrases used in s.3: R25: Toxic if swallowed.
R34: Causes burns.
R23/25: Toxic by inhalation and if swallowed.
R33: Danger of cumulative effects.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R22: Harmful if swallowed.
R40: Limited evidence of a carcinogenic effect.
R42/43: May cause sensitisation by inhalation and skin contact.
R36/38: Irritating to eyes and skin.

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.