



SAFETY DATA SHEET

BLACKFAST 169 STAINLESS STEEL BLACKING SOLUTION

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Issued: 04/08/2008

Revision No: 1

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

Product name: BLACKFAST 169 STAINLESS STEEL BLACKING SOLUTION

Product code: 169

Use of substance / preparation: Chemical preparation for blacking of stainless steel

Company name: Blackfast Chemicals Limited

78 Coombe Road

New Malden

Surrey

KT3 4QS

United Kingdom

Tel: +44 (0) 20 8336 2900

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2. HAZARDS IDENTIFICATION

Main hazards: Harmful by inhalation and if swallowed. Danger of cumulative effects. 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: COPPER SULPHATE 1-10%
EINECS: 231-847-6 CAS: 7758-98-7
[Xn] R22; [Xi] R36/38; [N] R50/53

- SELENIUM COMPOUNDS EXCEPT CADMIUM

SULPHOSELENIDE 10-30%
[T] R23/25; [Xn] R33; [N] R50/53

- HYDROCHLORIC ACID 1-10%

EINECS: 231-595-7
[C] R34; [Xi] R37

4. FIRST AID MEASURES

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin

[cont...]

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with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

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

Ingestion: Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

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 protective clothing to prevent contact with skin and eyes. Wear self-contained breathing apparatus.

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.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

Storage conditions: Store in cool, well ventilated area. Keep away from direct sunlight.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

- HYDROCHLORIC ACID...100%
UK - 15 min. STEL: 7.6 mg/m³

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

Hand protection: PVC gloves.

Eye protection: Safety glasses.

Skin protection: Plastic apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Blue

Odour: Barely perceptible odour

Solubility in water: Soluble

Relative density: 1.15

pH: 1

10. STABILITY AND REACTIVITY

Stability: Stable at room temperature.

Conditions to avoid: Sources of ignition.

11. TOXICOLOGICAL INFORMATION

Acute effects: Harmful by inhalation and if swallowed.

Repeated dose toxicity: Danger of cumulative effects.

11. TOXICOLOGICAL INFORMATION (SYMPTOMS)

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

Eye contact: There may be irritation and redness.

Ingestion: There may be vomiting and diarrhoea.

Inhalation: Exposure may cause coughing or wheezing.

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: 3082

ADR Class: 9

Packing group: III

Classification code: M6

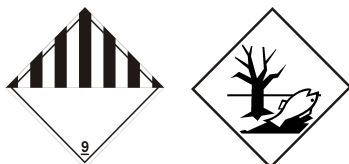
Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.

Labelling: 9

Hazard ID no: 90

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**IMDG / IMO**

UN no: 3082	Class: 9
Packing group: III	EmS: F-A,S-F
Marine pollutant: .	Labelling: 9

IATA / ICAO

UN no: 3082	Class: 9
Packing group: III	Packing instructions: 914
Labelling: 9	

15. REGULATORY INFORMATION**Hazard symbols:** Harmful.

Dangerous for the environment.



Risk phrases: R20/22: Harmful by inhalation and if swallowed.
 R33: Danger of cumulative effects.
 R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

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

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.

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Risk phrases used in s.3: R22: Harmful if swallowed.
R36/38: Irritating to eyes and skin.
R50/53: Very toxic to aquatic organisms, may cause long
-term adverse effects in the aquatic environment.
R23/25: Toxic by inhalation and if swallowed.
R33: Danger of cumulative effects.
R34: Causes burns.
R37: Irritating to respiratory system.

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.